

FIELD MAINTENANCE PRINT SET

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A-PL-KK11-A-2	SHIPPING LIST

UNIT VARIATIONS COVERED BY THIS PRINT SET

KK11-A

KKII-A

Field Maintenance

Print Set

Digital Equipment Corporation

PRINT SET ORDER NO.
MP00574

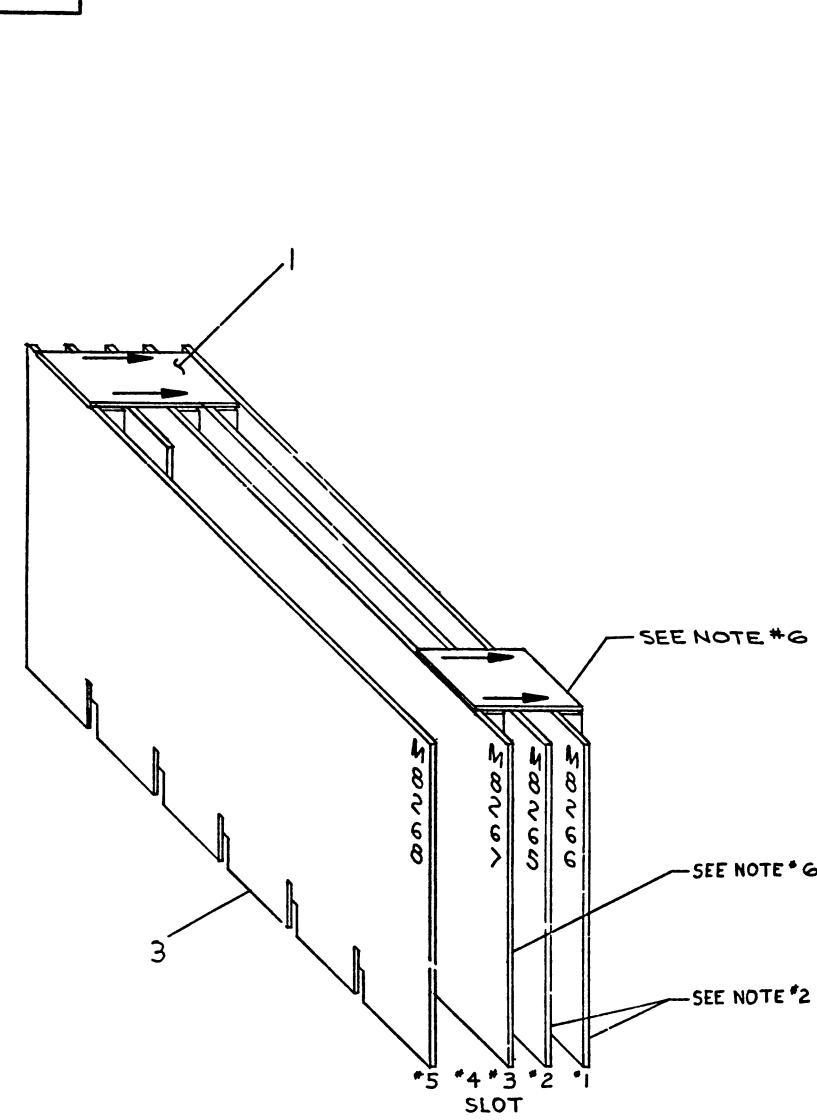
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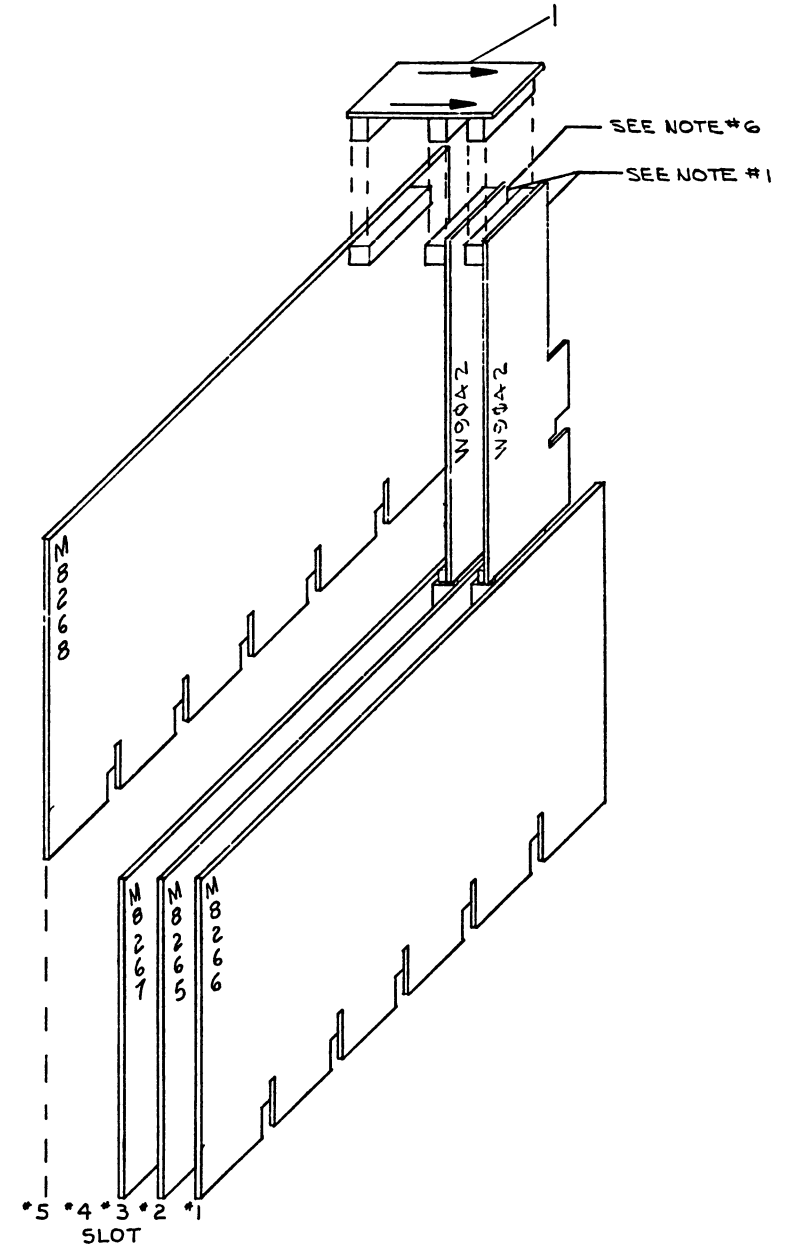
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NOTES:

1. THE W9042 EXTENDER BD. ASSY. IS STORED IN THE BACKPLANE AND IS USED FOR SOME MAINTENANCE OPERATIONS.
2. MODULES M8265 AND M8266 ARE PART OF KD11-EA AND ARE SHOWN FOR REF. ONLY.
3. ALL CONFIGURATIONS SHOWN ARE USED IN THE BA11-K (10 1/2 INCH BOX) OR BA11-L (5 1/4 BOX).
4. CONFIGURATION C SHOWS SLOT 3 UTILIZATION FOR EITHER KK11-A OR FP11-A WHEN ONLY ONE IS PRESENT.
5. CONFIGURATIONS B & D SHOW TYPICAL MAINTENANCE SET UP.
6. M8267, 5412416 AND W9042 ARE PART OF FP11-A AND ARE SHOWN FOR REF. ONLY.



CONFIGURATION "A"
SEE NOTE #3



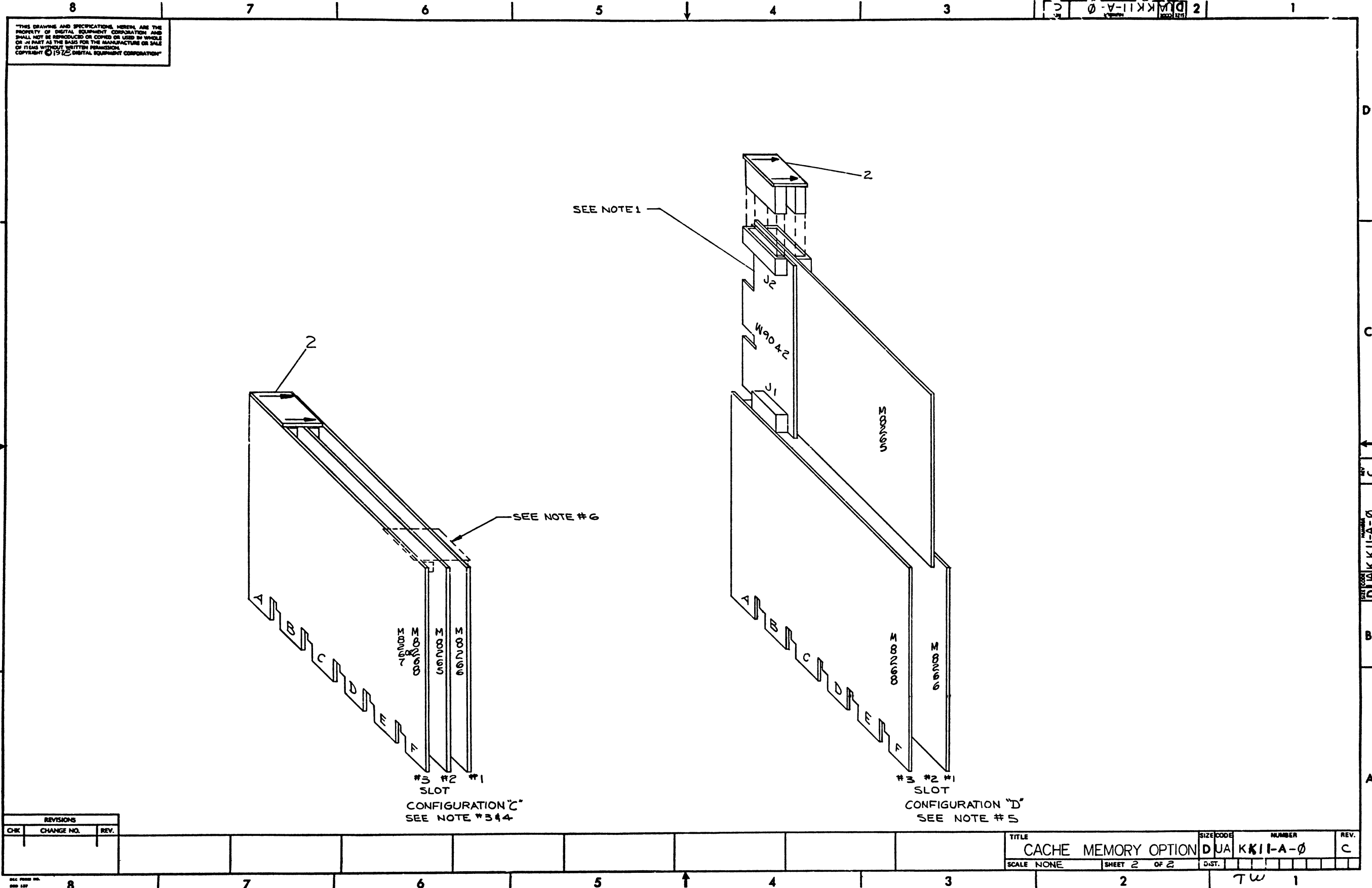
CONFIGURATION "B"
SEE NOTE #5

1	PLASTIC BAG, 9"X12"	99-05129-25	5
1	RESISTOR 1K, 1/4W, 1%	13-03114-00	4
1	CACHE MEMORY (KK11-A)	D-UA-M8268-B-0	3
1	BOARD, INTERCONN 40 PIN	D-UA-H8821-B-0	2
1	TRICONN BOARD	D-UA-H8822-B-0	1

DESCRIPTION		DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 30°-90°	CLASS OF ACCURACY	NORMAL DIMENSION RANGE INCHES	
SURFACE QUALITY IN MICRON INCHES	MEDIUM	OVER 0 TO 0.5	OVER 0.5 TO 1.2
		OVER 1.2 TO 4.0	OVER 4.0 TO 12.0
MICRON INCHES	PREFERRED	±.004	±.008
		±.012	±.016

THIRD ANGLE PROJECTION	DRN. <i>R. P. Smith</i> 25 JAN 78	FIRST USED ON 11-34A	digital	
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>R. P. Smith</i> 8-14-78	ENG. <i>R. P. Smith</i> 7-1-78		
DO NOT SCALE DWG	PROJ. ENG. <i>R. P. Smith</i> 7-1-78	PROD. <i>R. P. Smith</i> 7-1-78		
MATERIAL SEE PARTS LIST	NEXT HIGHER ASSY. B-DD-KK11-A	SIZE CODE D UA		
FINISH	SCALE NONE	SHEET 1 OF 2	DIST	REV. C

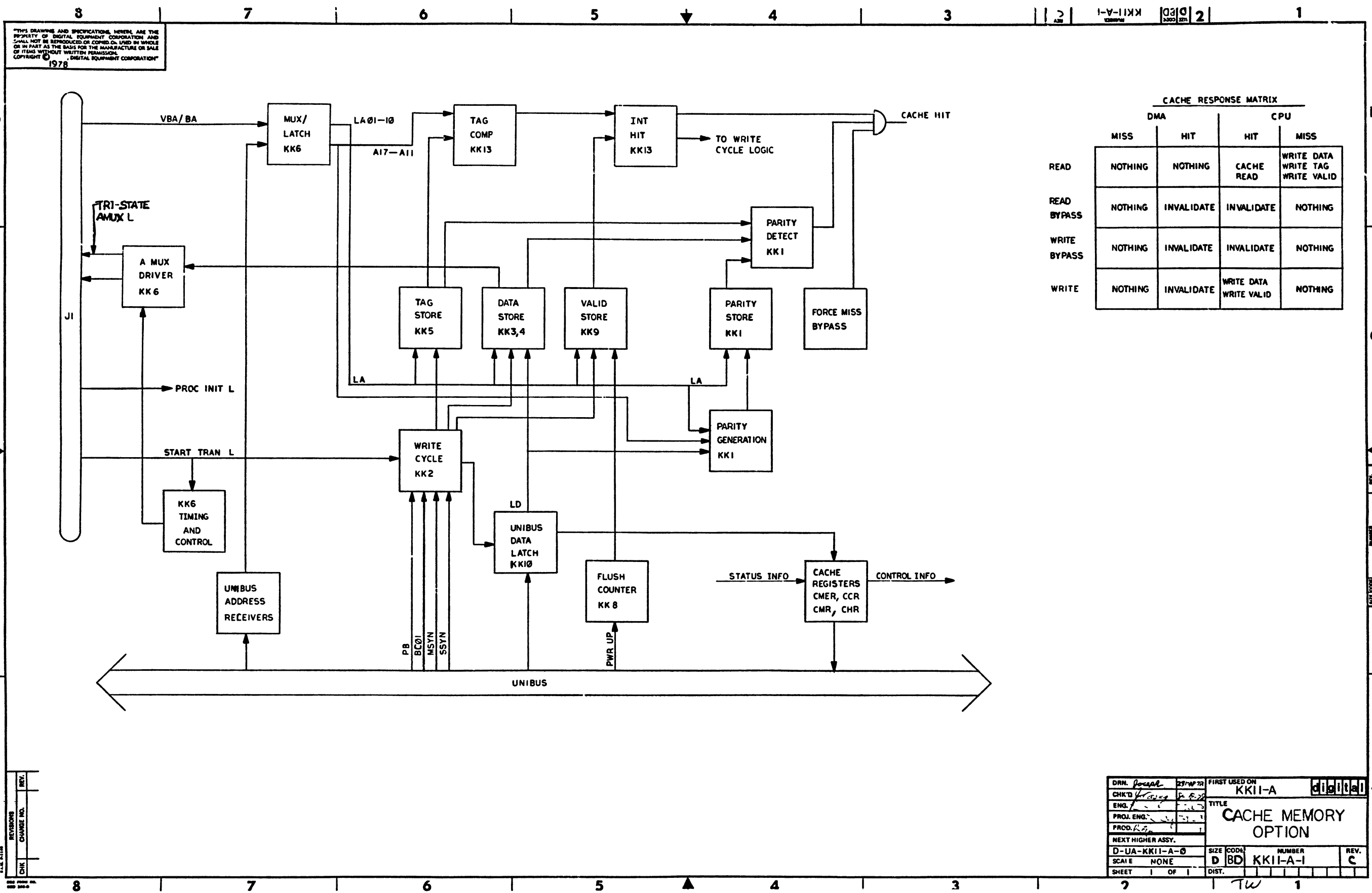
TW 1



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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
CACHE MEMORY OPTION		DUA	KK11-A-0	C
SCALE NONE	SHEET 2 OF 2	DIST.		

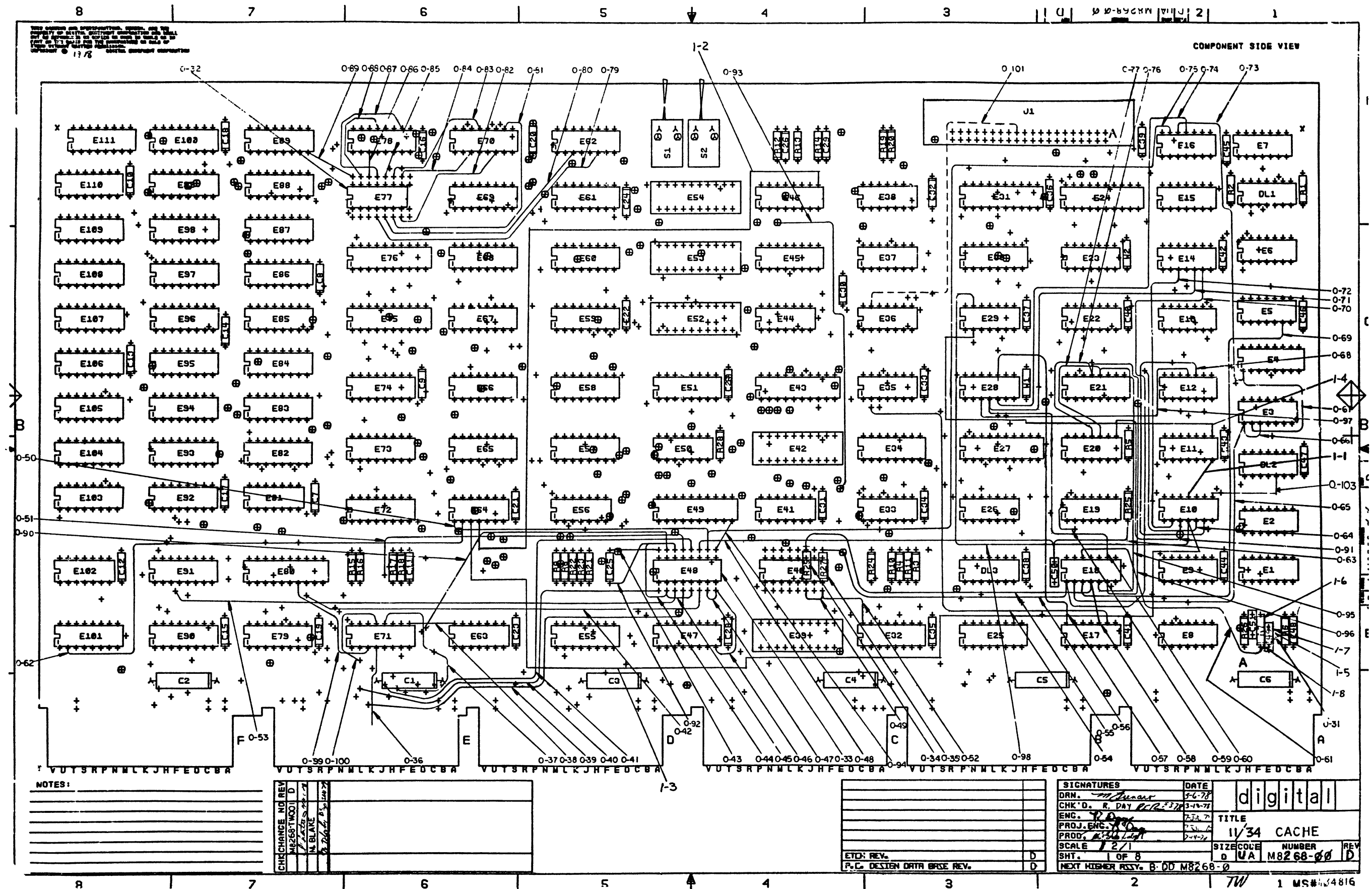


CACHE RESPONSE MATRIX

	DMA		CPU	
	MISS	HIT	HIT	MISS
READ	NOTHING	NOTHING	CACHE READ	WRITE DATA WRITE TAG WRITE VALID
READ BYPASS	NOTHING	INVALIDATE	INVALIDATE	NOTHING
WRITE BYPASS	NOTHING	INVALIDATE	INVALIDATE	NOTHING
WRITE	NOTHING	INVALIDATE	WRITE DATA WRITE VALID	NOTHING

DRN. <i>Jocelyn</i>	25-11-77	FIRST USED ON	KK11-A	digital
CHKD. <i>Jocelyn</i>	25-11-77	TITLE	CACHE MEMORY OPTION	
ENG. <i>Jocelyn</i>				
PROJ. ENG. <i>Jocelyn</i>				
PROD. <i>Jocelyn</i>				
NEXT HIGHER ASSY.				
D-UA-KK11-A-0	SIZE	CODE	NUMBER	REV.
SCAI E	NONE	D BD	KK11-A-1	C
SHEET	OF	DIST.		

2 TW 1



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D 0-0-8928W 2

L1

M8268 50:2524D

LAYER 1

0-13

CSXABCDEFGHIJKLMNPRS

E111

E100

E89

E78

E70

E62

E54

E46

E38

E31

E24

E16

E7

SIDE 1

digital

CHK	CHANGE NO	REV	0-1	0-2	0-3	0-4	0-5	0-6	0-7	0-8	0-9	WITHOUT INK	0-11	0-10	0-12	TITLE	SIZE	CODE	NUMBER	REV.
																11/34 CACHE	D	UA	M8268-0-0	D
																SCALE 2-1			SHEET 2 OF 8	
																			DIST.	

DEL FROM NO 137

8

7

6

5

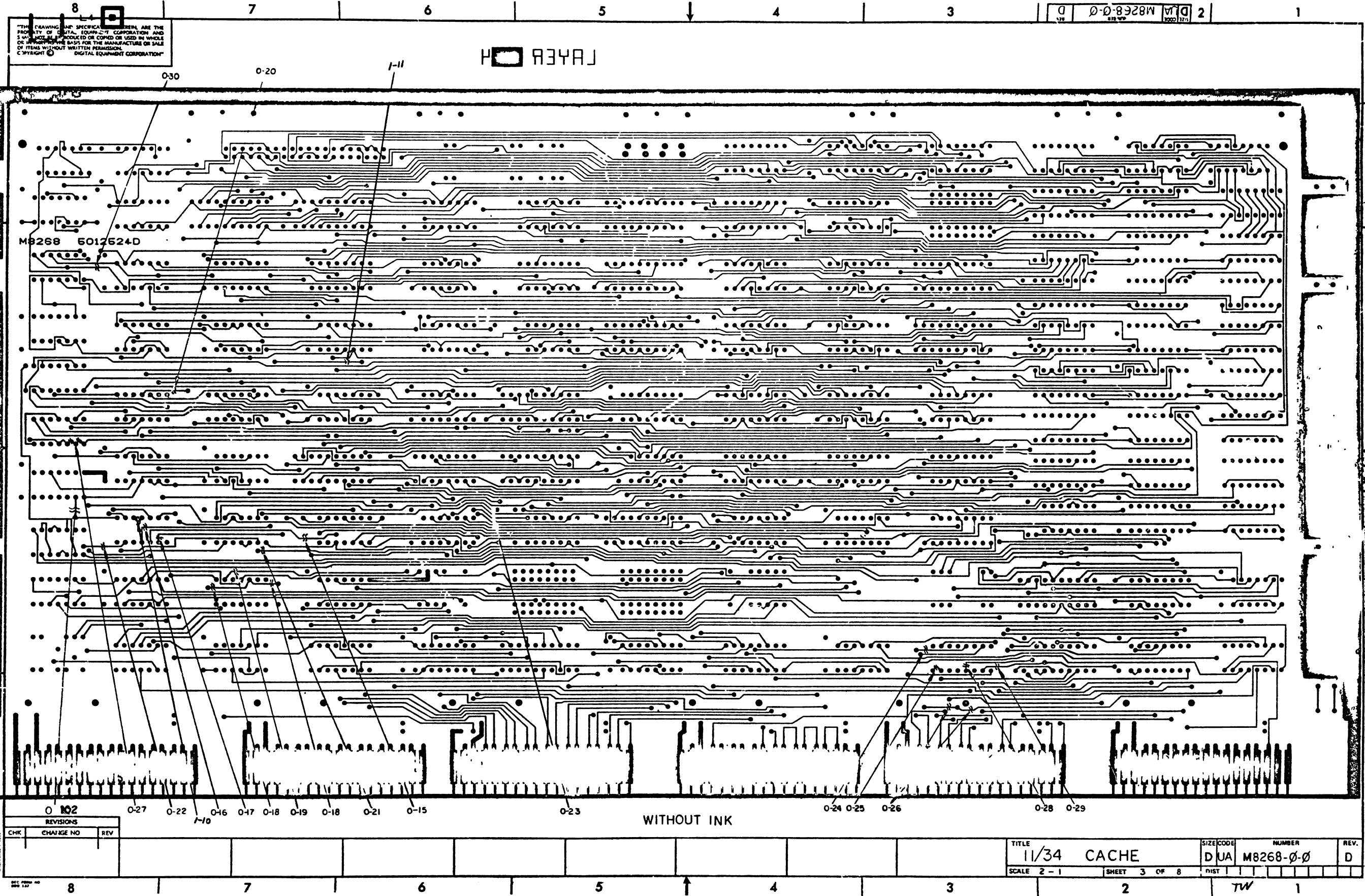
4

3

2

1

TW



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D 0-0-8928W DUA 2

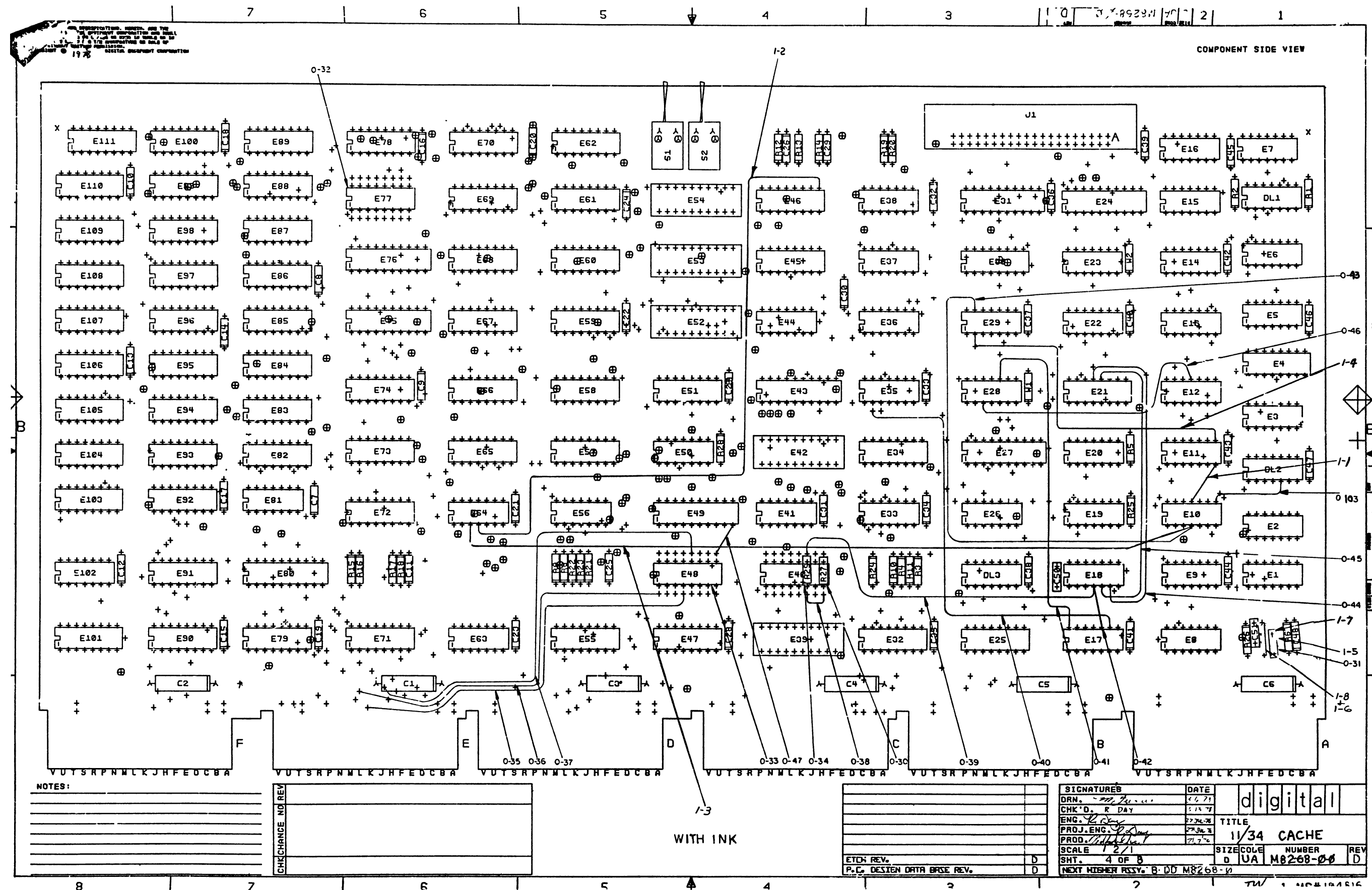
PCB 83YAJ

M8268 5012524D

WITHOUT INK

REVISIONS		
CHK	CHANGE NO	REV

TITLE	SIZE	CODE	NUMBER	REV.
11/34 CACHE	D	UA	M8268-0-0	D
SCALE 2-1	SHEET 3 OF 8	DIST		



8

7

6

5

4

3

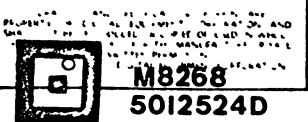
2

1

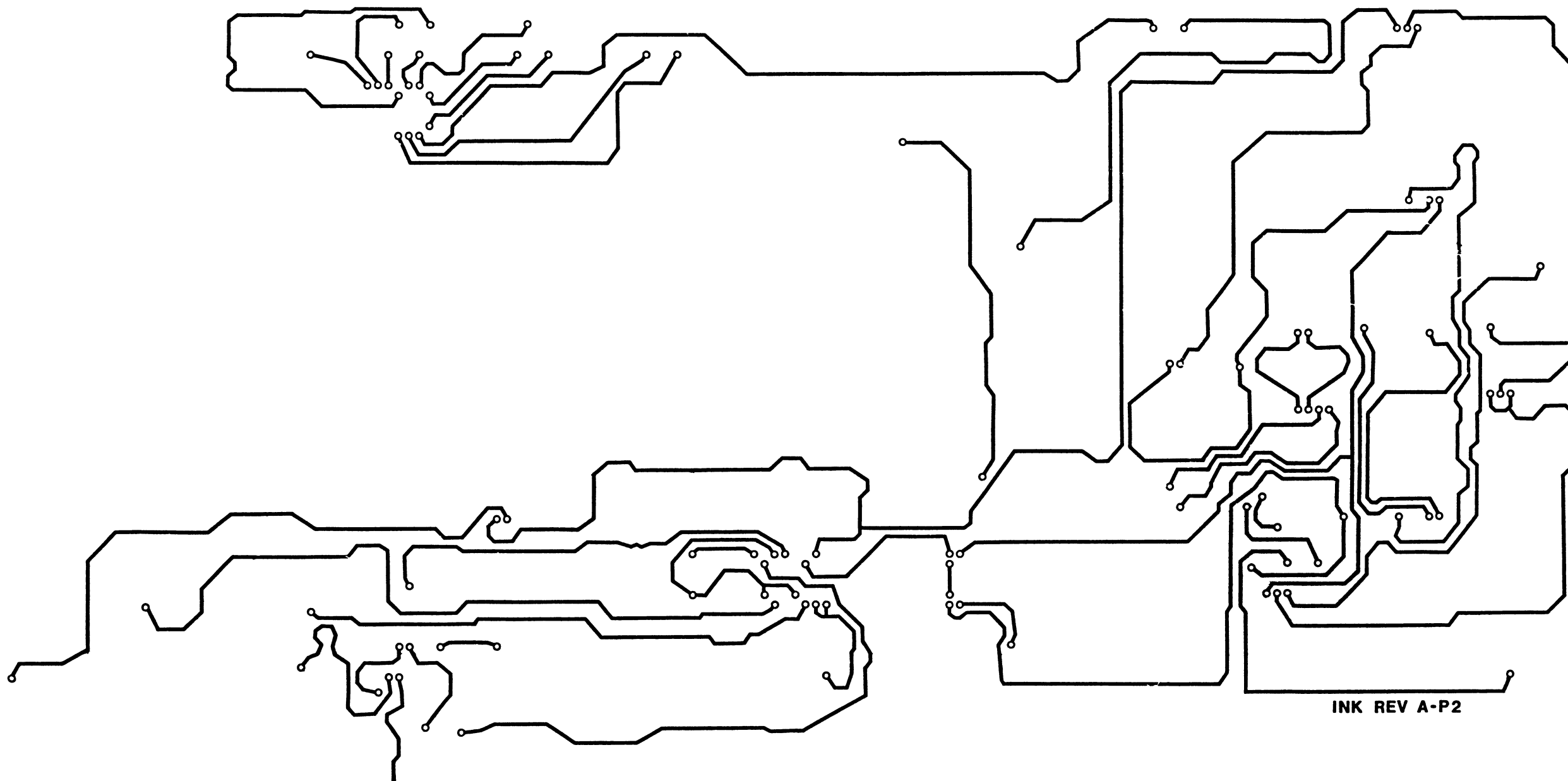
0-0-9928W

2

1



COPPER INK REV A-P2



INK REV A-P2

REVISIONS		
CHK	CHANGE NO	DATE

TITLE		SIZE CODE	NUMBER	REV.
11/34 CACHE		D	JA M8268-0-0	D
SCALE	2/1	SHEET	5 OF 8	LIST

8

7

6

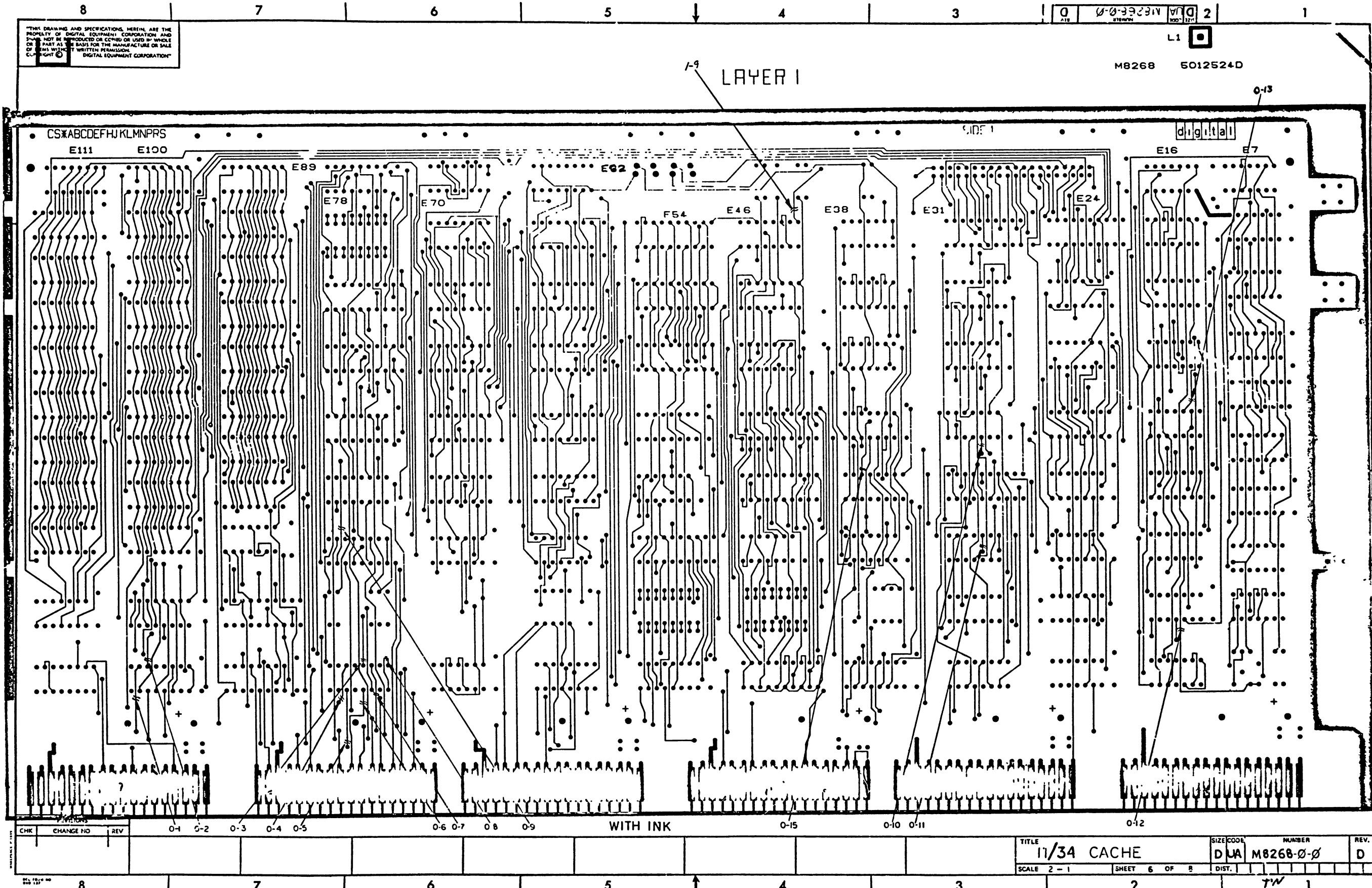
5

4

3

2

1



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0 0-0-33231V 100 1211 2

L1

M8268 5012524D

digital

CHK CHANGE NO REV

0-1 0-2

0-3 0-4 0-5

0-6 0-7 0-8 0-9

WITH INK

0-10 0-11

0-12

TITLE 11/34 CACHE

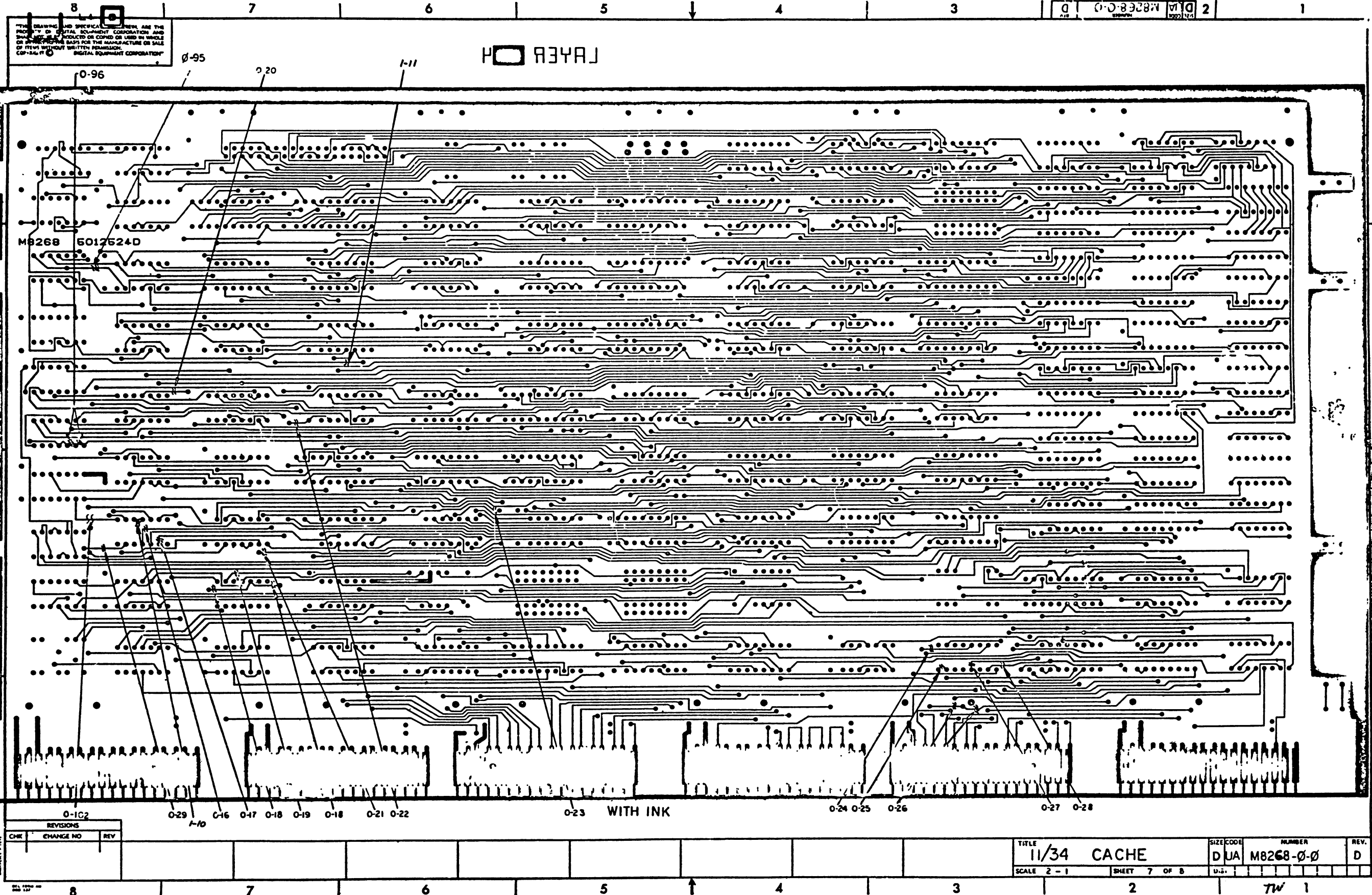
SIZE CODE NUMBER DUA M8268-0-0

REV. D

SCALE 2-1 SHEET 6 OF 8

DIST.

7W 1



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CORP-114 (11)

0-0-89287 2

P-11

M8268 5017524D

0-96

0-20

WITH INK

0-29 0-16 0-17 0-18 0-19 0-18 0-21 0-22

0-24 0-25 0-26 0-27 0-28

0-1C2

REVISIONS

CHK CHANGE NO REV

TITLE 11/34 CACHE

SIZE CODE D UA NUMBER M8268-0-0

REV. D

SCALE 2-1

SHEET 7 OF 8

U.S.

TW 1

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FIRST RELEASE

REWORK INSTRUCTIONS WITHOUT INK

ETCH CUTS SIDE 1:

- 0-1 E90-15 BELOW E90-1 & 2
- 0-2 AT E90-14
- 0-3 AT E71-12
- 0-4 E71-14 AT F/T BELOW E71-2
- 0-5 E71-3 AT F/T
- 0-6 AT E71-5
- 0-7 E71-11 BELOW E71-6 & 7
- 0-8 BETWEEN E71-8 & 9 ABOVE E71-9
- 0-9 E72-2 ABOVE E72-14 & 15
- 0-10 AT E28-5
- 0-11 AT E34-14
- 0-12 E10-5 BELOW E9-4 & 5
- 0-13 E12-10 ABOVE E12-9

ETCH CUTS SIDE 2:

- 0-15 CUT ETCH ABOVE E26-7, CONNECTED TO E26-10 ON SIDE 1
- 0-16 AT E10-4
- 0-17 AT E10-2
- 0-18 AT E18-12 (2 PLACES)
- 0-19 AT E18-9
- 0-20 AT E12-11
- 0-21 AT F/T BELOW E19-2
- 0-22 AT E10-6
- 0-23 AT F/T ABOVE & BETWEEN E41 & E33
- 0-24 AT E71-13
- 0-25 BETWEEN E71-7 & 8
- 0-26 AT F/T TO LEFT OF RIGHT LEAD OF C1 (2 PLACES)
- 0-27 AT E3-2 (2 PLACES)
- 0-28 AT E71-4
- 0-29 AT E71-2
- 0-30 AT E14-6

COMPONENT ADDS SIDE 1:

- ~~0-31 ADD DIODE (D1 H05275-00) NEXT TO R7~~
- ~~CATHODE DOWN WRAP DI LEADS 270°~~
- ~~AROUND R7 LEADS FOR MECHANICAL RIGIDITY (SEE VIEW A-A)~~

- 0-32 ADD IC (1300005-01) AT E77 PIN 1 IN HOLE 1
- 0-33 ADD IC (1911579) AT E48
- 0-34 ADD 1K RES (R29 1300365) AT E40-6 & 11
- 0-35 ADD 1K RES (R27 1300365) AT E40-8 & 9

WIRE ADDS SIDE 1:

- 0-36 E71-4 TO EK1
- 0-37 E71-12 TO F/T UNDER C1
- 0-38 E71-9 TO E63-14
- 0-39 E48-4 OUTSIDE HOLE TO F/T CONNECTED TO EK2
- 0-40 E48-1 OUTSIDE HOLE TO F/T CONNECTED TO EL1
- 0-41 E48-12 OUTSIDE HOLE TO F/T CONNECTED TO EJ1
- 0-42 E48-6 OUTSIDE HOLE TO F/T BELOW E80-8
- 0-43 E48-16 OUTSIDE HOLE TO C25 TOP LEAD
- 0-44 E48-2 OUTSIDE HOLE TO E48-14 OUTSIDE HOLE
- 0-45 E48-2 OUTSIDE HOLE TO E48-5 OUTSIDE HOLE
- 0-46 E47-8 TO E48-8 OUTSIDE HOLE
- 0-47 E48-8 OUTSIDE HOLE E48-7 OUTSIDE HOLE

- 0-48 E48-11 OUTSIDE HOLE TO C50 TOP END
- 0-49 E40-6 OUTSIDE HOLE TO E40-8 OUTSIDE HOLE
- 0-50 E64-1 TO E48-10 OUTSIDE HOLE
- 0-51 E48-13 OUTSIDE HOLE TO F/T LEFT OF R17
- 0-52 E32-16 TO E40-8 OUTSIDE HOLE
- 0-53 E48-3 OUTSIDE HOLE TO F/T BELOW E91-3 & 4
- 0-54 E17-9 TO F/T BELOW E35-2
- 0-55 E18-4 TO E40-11 OUTSIDE HOLE
- 0-56 E18-1 TO E40-9 OUTSIDE HOLE
- 0-57 E17-14 TO E28-10
- 0-58 E17-10 TO E18-4
- 0-59 F/T BELOW E19-2 TO F/T BELOW E19-14
- 0-60 E18-9 TO E28-4
- 0-61 R7 BOTTOM LEAD TO E18-12
- 0-62 E101-2 TO E64-2
- 0-63 C50 TOP LEAD TO R25 BOTTOM LEAD
- 0-64 E10-5 TO F/T LEFT OF E12-14
- 0-65 E3-1 TO E18-2
- 0-66 E3-1 TO E3-3
- 0-67 E3-2 TO E4-1
- 0-68 E12-10 TO E10-6
- 0-69 E5-6 TO E18-3
- 0-70 E14-6 TO E18-1
- 0-71 E14-5 TO E28-4
- 0-72 E14-3 TO E10-2
- 0-73 E4-1 TO E16-12
- 0-74 E16-11 TO E28-5
- 0-75 E16-13 TO E48-10 OUTSIDE HOLE
- 0-76 E21-13 TO E20-11
- 0-77 E21-12 TO E20-10
- 0-79 E77-4 OUTSIDE HOLE TO E62-6
- 0-80 E77-5 OUTSIDE HOLE TO E62-3
- 0-81 E77-6 OUTSIDE HOLE TO E70-10
- 0-82 E77-7 OUTSIDE HOLE TO E70-6
- 0-83 E77-8 OUTSIDE HOLE TO E70-3
- 0-84 E77-9 OUTSIDE HOLE TO E70-13
- 0-85 E77-10 OUTSIDE HOLE TO E78-6
- 0-86 E77-12 OUTSIDE HOLE TO E78-3
- 0-87 E77-11 OUTSIDE HOLE TO E78-10
- 0-88 E77-13 OUTSIDE HOLE TO E78-13
- 0-89 E77-14 OUTSIDE HOLE TO E89-8
- 0-90 E48-15 OUTSIDE HOLE TO F/T LEFT OF E63-14
- 0-91 E10-3 TO E20-8
- 0-92 E48-14 TO C25 LOWER LEAD
- 0-93 F/T BELOW E46-3 TO F/T TO RIGHT OF C31 TOP LEAD
- 0-94 E48-9 OUTSIDE HOLE TO E49-10
- 0-95 E18-5 TO E21-12
- 0-96 E18-6 TO E21-13
- 0-97 E21-11 TO E28-3
- 0-98 E10-4 TO E29-13
- 0-99 E71-3 TO E80-7
- 0-100 E71-13 TO F/T BELOW E71-2

WIRE ADDS SIDE 2:

- 0-101 E36-13 TO J1-EE

FIRST RELEASE

REWORK INSTRUCTIONS WITH INK

ETCH CUTS SIDE 1:

- 0-1 E90-15 BELOW E90-1 & 2
- 0-2 AT E90-14
- 0-3 AT E71-12
- 0-4 E71-14 AT F/T BELOW E71-2
- 0-5 E71-3 AT F/T
- 0-6 AT E71-5
- 0-7 E71-11 BELOW E71-6 & 7
- 0-8 BETWEEN E71-8 & 9 ABOVE E71-9
- 0-9 E72-2 ABOVE E72-14 & 15
- 0-10 AT E28-5
- 0-11 AT E26-10 UNDER E26
- 0-12 E10-5 BELOW E9-4 & 5
- 0-13 E12-10 ABOVE E12-9
- 0-15 AT E34-14

ETCH CUTS SIDE 2:

- 0-16 AT E10-4
- 0-17 AT E10-2
- 0-18 AT E18-12 (2 PLACES)
- 0-19 AT E18-9
- 0-20 AT E12-11
- 0-21 AT F/T BELOW E19-2
- 0-22 BETWEEN W1-BOTTOM SIDE & F/T TO THE LEFT
- 0-23 AT F/T ABOVE & BETWEEN E41 & E33
- 0-24 AT E71-13
- 0-25 BETWEEN E71-7 & 8
- 0-26 AT F/T TO THE LEFT OF THE RIGHT LEAD OF C1 (2 PLACES)

- 0-27 AT E71-4
- 0-28 AT E71-2
- 0-29 AT E10-6

COMPONENT ADDS SIDE 1:

- 0-30 ADD 1K RES (R27 1300365) AT E40-8 & 9
- ~~0-31 ADD DIODE (D1 H05275-00) NEXT TO R7~~
- ~~CATHODE DOWN WRAP DI LEADS 270°~~
- ~~AROUND R7 LEADS FOR MECHANICAL RIGIDITY (SEE VIEW A-A)~~

- 0-32 ADD IC (1300005-01) AT E77-1 IN HOLE 1
- 0-33 ADD IC (1911579) AT E48
- 0-34 ADD 1K RES (R29 1300365) AT E40-6 & 11

WIRE ADDS SIDE 1:

- 0-35 E48-4 OUTSIDE HOLE TO F/T CONNECTED TO EK2
- 0-36 E48-1 OUTSIDE HOLE TO F/T CONNECTED TO EL2
- 0-37 E48-12 OUTSIDE HOLE TO F/T CONNECTED TO EJ1
- 0-38 E40-6 OUTSIDE HOLE TO E40-8 OUTSIDE HOLE
- 0-39 E40-11 OUTSIDE HOLE TO E18-4
- 0-40 E17-9 TO F/T BELOW E35-2
- 0-41 E17-14 TO E28-10
- 0-42 E17-10 TO E18-4

- 0-43 E10-4 TO E29-13
- 0-44 E18-6 TO E21-13
- 0-45 E18-5 TO E21-12
- 0-46 E12-11 TO E28-3
- 0-47 E49-10 TO E48-9 OUTSIDE HOLE

ADDITIONAL REWORK INSTRUCTIONS WITH OR WITHOUT INK

ETCH CUTS SIDE 2

- 0-102 E10-8 TO DL2-2
- WIRE ADDS SIDE 1:
- 0-103 E10-8 TO DL2-5

FIRST RELEASE REWORK WITH INK CONT.

ETCH CUTS SIDE 2:

- 0-95 E5-8 TO E14-6
- 0-96 BETWEEN E3-1 & 2 AND-2 & 3

REWORK INSTRUCTION WITH OR WITHOUT INK ECO#1.

WIRE ADDS

- 1-1 E10-11 TO E11-7
- 1-2 E46-9 TO E64-4
- 1-3 E64-3 TO E10-4
- 1-4 E29-2 TO E11-8

COMPONENT DELETES

- 1-5 D1
- 1-6 R7

1-7 C49

COMPONENT ADDS

- 1-8 ADD JUMPER WIRE IN PLACE OF R7.

ETCH CUTS SIDE 1

- 1-9 AT E46-9

ETCH CUTS SIDE 2

- 1-10 BETWEEN E10-11 AND E10-10.
- 1-11 AFTER THE FEED THRU CONNECTED TO E29-2.

REVISIONS		
CHK	CHANGE NO.	REV

TITLE		SIZE CODE	NUMBER	REV.
11/34 CACHE		D UA	M8268-0-0	D
SCALE	SHEET 8 OF 8	DIST.		

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
1	1	D-MD-5012524-0-0	5012524-00	M8268	1	
2	2		1000076-00	39 MFD 10V 10% 150D S.TA	6	C1-C6
3	3		1012784-00	.047 MFD 50V -20+R0 CER	42	C7-C48
4	4		1012121-00	220.0 MMF 100V 1%200PPM DM15S	1	C51
5	5		1000024-00	470.0 MMF 100V 5%200PPM DM15S	1	C50
6	6		1213506-01	HEADER 40POS RT ANGLE W/3 SI	1	J1
7	7		1210711-09	/OBSOLETE	1	
8	8		1210209-00	SW,TOG 1P.01A SUBMINI	2	S1,S2
9	9		1300271-00	220 1/4W 5% CC	6	R1,R2,R5,R6,R10,R11
10	10		1300202-00	47 1/4W 5% CC	1	R26
11	11		1300365-00	1 K 1/4W 5% CC	15	R8,R9,R12-R20,R24,R27,R28,R29
12	12		1311422-00	170 1/4W 1% FN55D-F 100PPM	3	R3,R21,R22
13	13		1305125-00	383 1/4W 1% FN55D-F 100PPM	2	R4,R23
14	14		1300250-00	150 1/4W 5% CC	1	R25
15	16		1610163-00	DELAY= 150NS,10TAPS	3	DL1,DL2,DL3
16	17		1910532-00	74S00 NAND GATE-QUAD 2IN	2	E15,E37
17	18		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	5	E2,E7,E19,E22,E33
18	19		1912801-00	LS02 NOR-GATE-QUAD 2IN	2	E14,E35
19	20		1912388-00	74S02 NOR GATE-QUAD 2IN,PO	1	E10
20	21		1910534-00	74S04 INVERTFR GATE-HEX 1I	2	E11,E64
21	22		1912803-00	LS04 INVERTFR GATE-HEX 1I	3	E6,E12,E26
22	23		1910536-00	74S10 NAND GATE-TRIPLE 3IN	2	E8,E20
23	24		1912807-00	LS10 NAND GATE-TRIPLE 3IN	1	E28
24	25		1912808-00	LS11 AND GATE-TRIPLE 3IN	1	E29
25	26		1912815-00	LS30 NAND GATE-SINGLE 8IN	1	E81
26	27		1913340-00	74S32 OR GATE-QUAD 2IN	1	E16
27	28		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1	E3
28	29		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	4	E1,E9,E36,E41
29	30		1910544-00	74S74 FF-D DUAL,EDGE TRIGG	2	E5,E13
30	31		1912089-00	74S85 CMPRTR-4BIT MAGNITUD	2	E45,E74

REVISION HISTORY			SECTION 1 OF 1	RFSP.ENG.: ROGER DAY	DATE: 20-MAR-78	D I G I T A L			
ENG	ECO NUMBER	REV	SECTION, VARIATION INDEX	MADE BY: MIKE FUNARO	DATE: 20-MAR-78	TITLE		PARTS LIST	
---	INIT	IC							
RD	TW001	ID	1.00			11/34 CACHE			
			2.						
			3.	CHECKED: ROGER DAY	DATE: 20-MAR-78				
			4.						
			5.						
			6.	DSN.ENG.: ROGER DAY	DATE: 20-MAR-78				
			7.			SIZE	CODE	DOCUMENT NUMBER	REV
			8.						
			9.	PROD.: BOB KING	DATE: 20-MAR-78	K	PL	M8268-0-DBP	D
			10.						
			11.						
			12.	ASSEMBLY NUMBER: D-UA-M8268-0-0		PART NUMBER: M826800			EDIT # 20

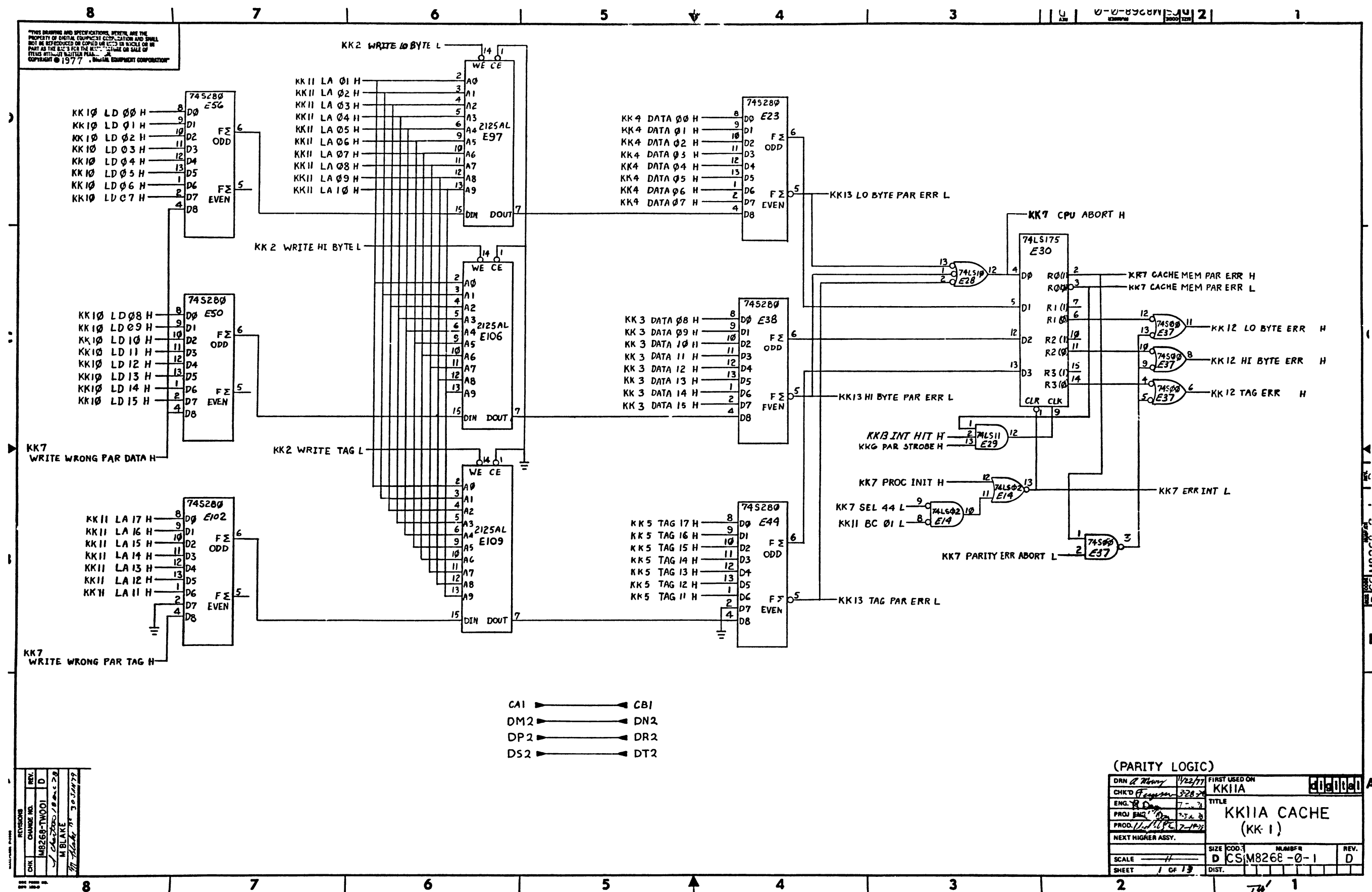
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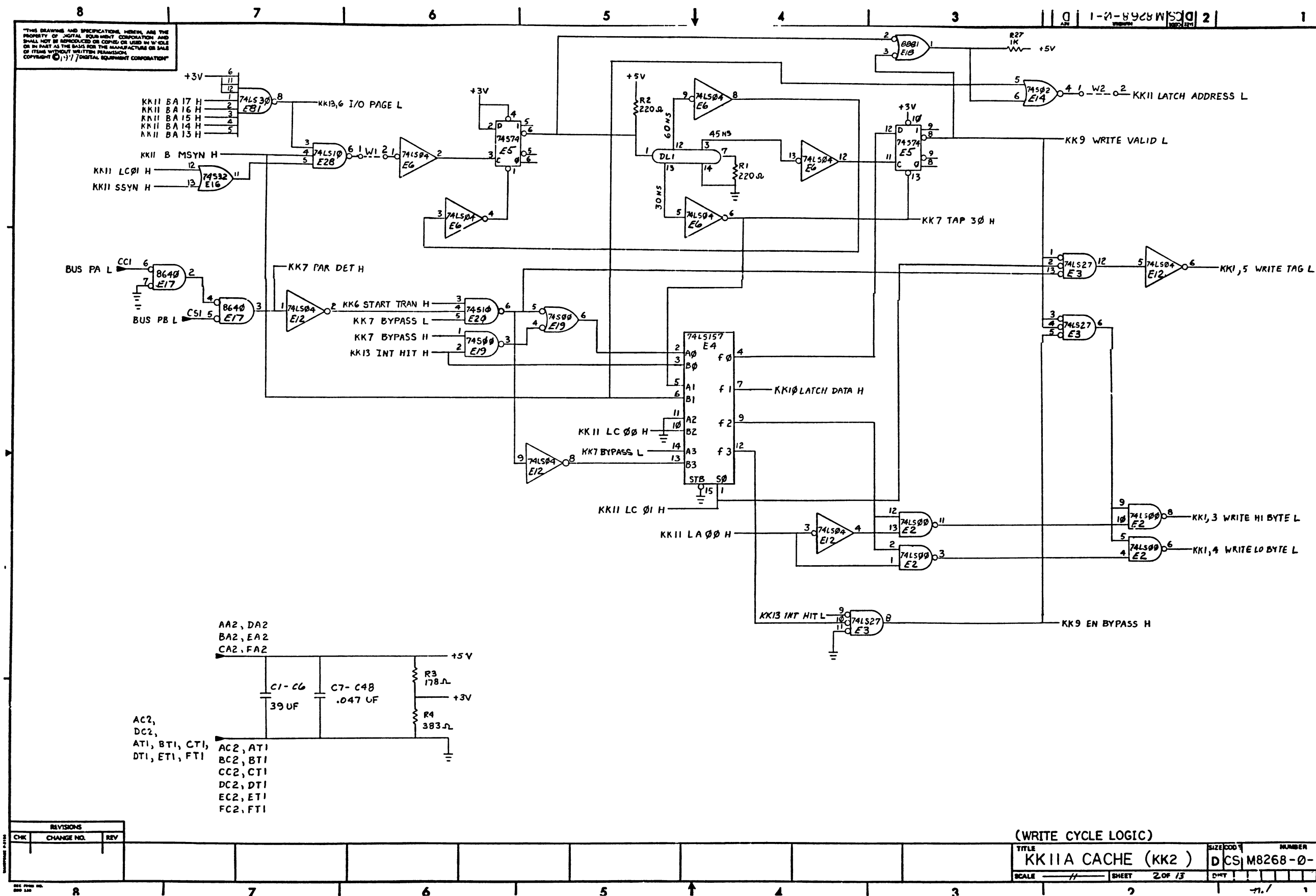
COPYRIGHT 1979, DIGITAL EQUIPMENT CORPORATION "

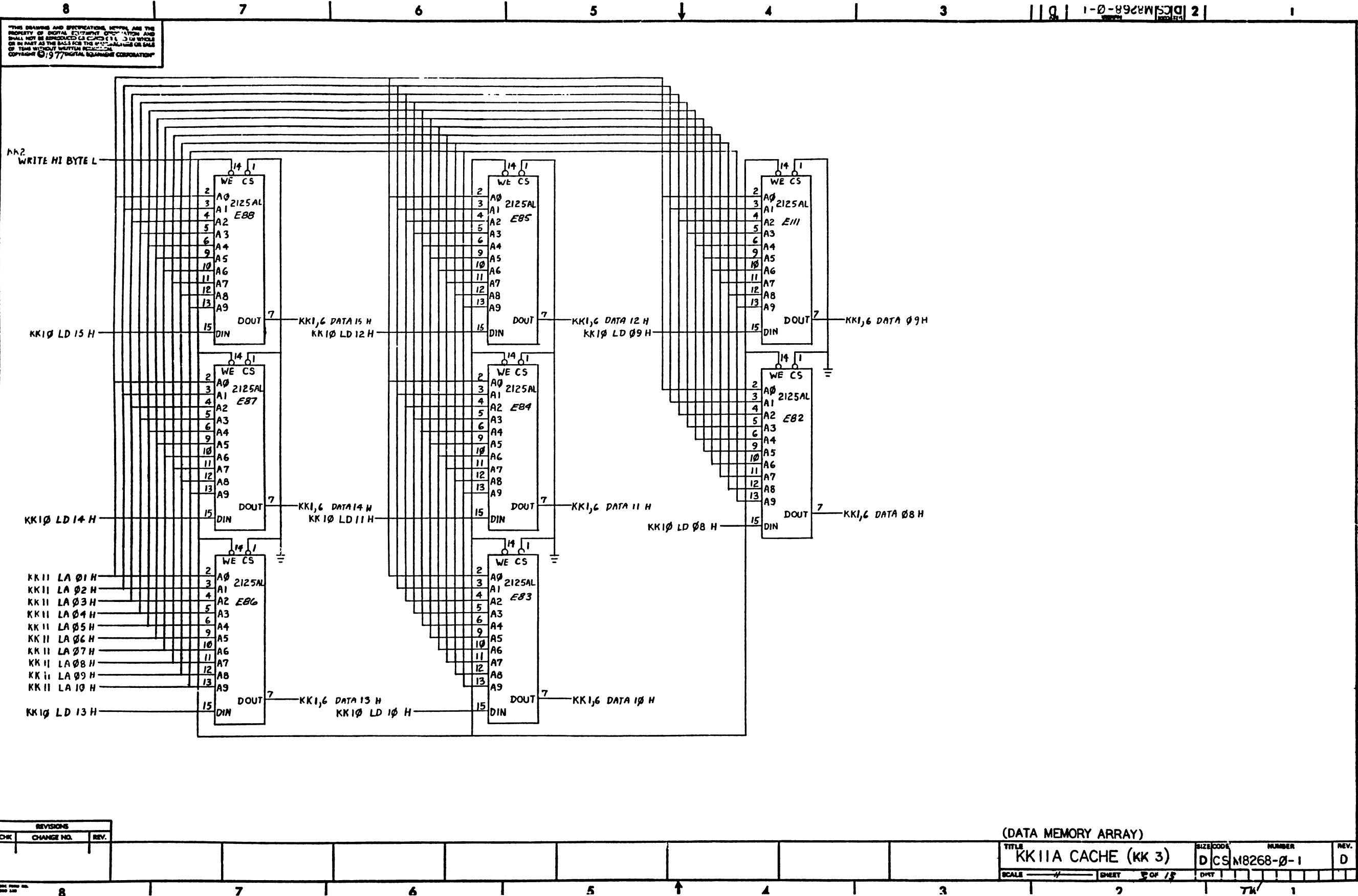
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
31	32		1911983-00	74S133 NAND GATE-POSITIVE 1	1	E21
32	33		1912839-00	LS133 NAND GATE-POS	1	E91
33	34		1910548-00	74S157 MUX 1 OF 2 (QUAD)	9	E58-E60,E62,E66-E68,E70,E78
34	35		1912847-00	LS157 MUX 1 OF 2(QUAD)	1	E4
35	36		1912842-00	LS138 DECODER-THREE INPUT,	1	E73
36	37		1912697-00	LS174 FF-D HEX W/CLEAR	1	E46
37	38		1912853-00	LS175 FF-D QUAD	2	E30,E34
38	39		1912854-00	LS193 COUNTER,SYNCHR,4BIT,	3	E51,E57,E65
39	40		1915193-00	LS244 DRIVER,LINE,OCTAL,T	5	E39,E42,E52-E54
40	41		1911573-00	74S280 PARITY GEN/CHKR,9BIT	6	E23,E38,E44,E56,E50,E102
41	42		1913670-00	74S373 LATCH 8BIT TRASP TR	5	E24,E31,E75,E76,E80
42	43		1913671-00	74S374 FF-D OCTAL TRISTATE	3	E27,E49,E43
43	44		1911469-00	DEC 8640 RECEIVER,BUS,QUAD,U	1	E17
44	45		1911579-00	8641 TRANSCEIVER,BUS,QUA	6	E25,E32,E47,E55,E71,E48
45	46		1911116-00	DEC 8837 RECEIVER,BUS,HEX,UN	3	E72,E79,E90
46	47		1909705-00	DEC 8881 NAND GATE-QUAD 2IN 0	2	E18,E63
47	48	SEE NOTE 1	1914438-00	DC 013 UNIBUS INTERRUPT-BIP	1	E101
48	49		2115020-00	1K MOS RAM 25NS S	28	E61,E69,E82-E89,E92-E100,E103-E111
49	50		9000024-01	EYFLEET, ROLLED FLANGE, .121 OD X	11	
50	51		9009185-00	JUMPER, WIPG, INSULATED, BLACK B	2	W1,W2
51	54		1300005-01	R NETWORK 13-1K RESISTORS 5% DIP	1	E77

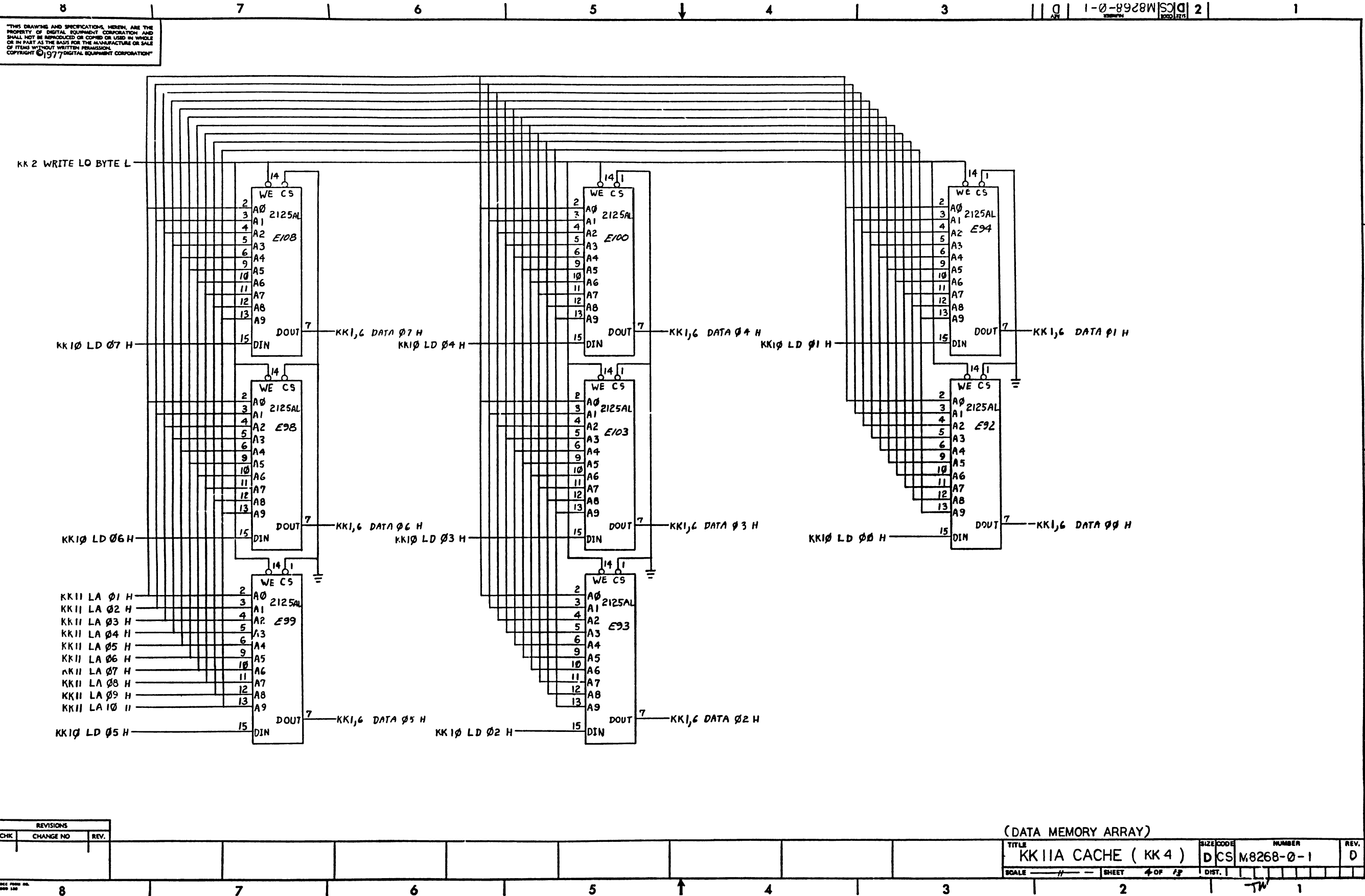
52 NOTE: #1 P/N 1912083-00 IS AN ALTERNATE PART FOR ITEM #48

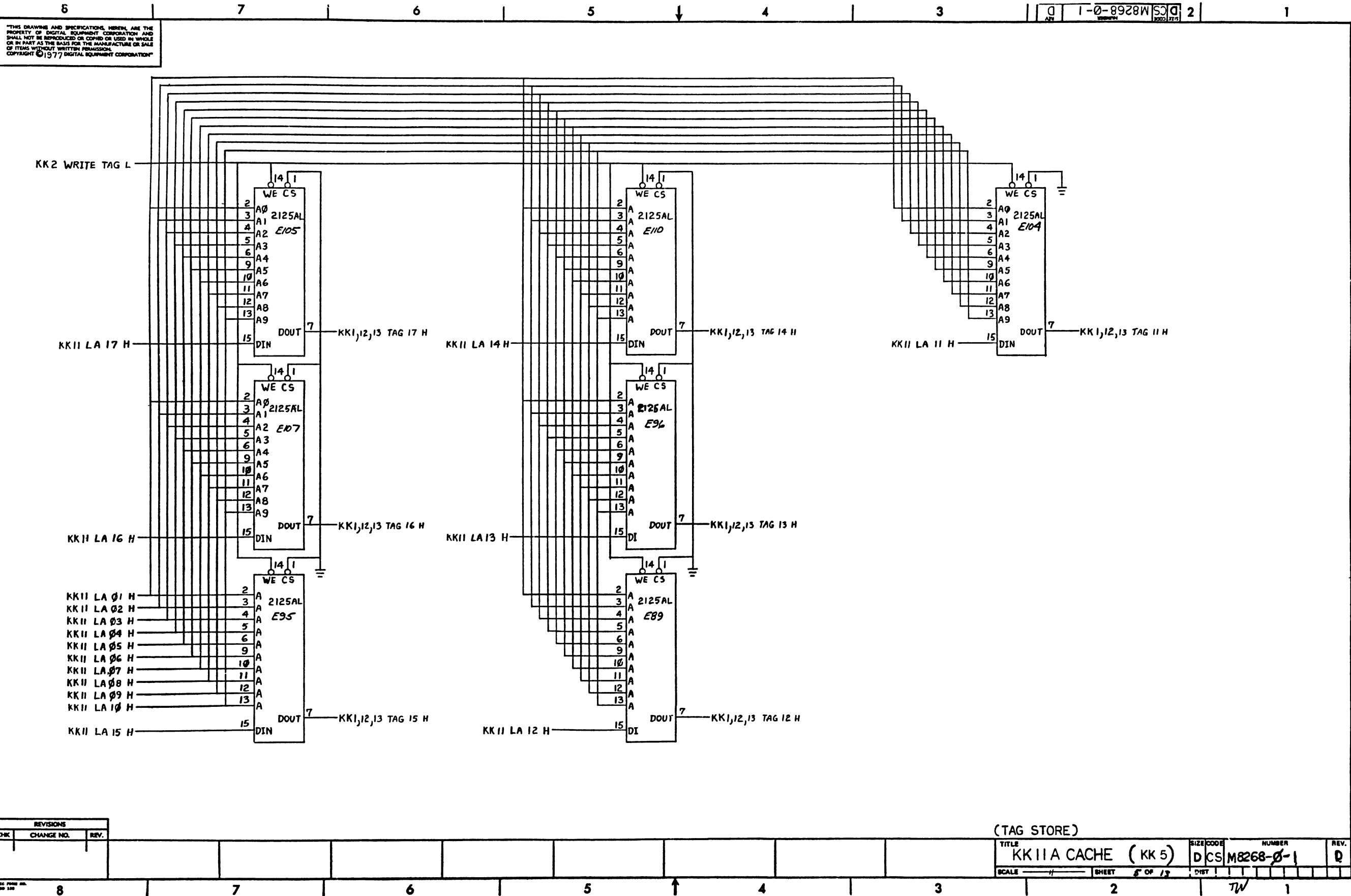
D	I	G	I	T	A	L	TITLE	SECTION 1 OF 1	SIZE	CODE	DOCUMENT NUMBER	REV
							11/34 CACHE		K	PL	M8268-0-DBP	D



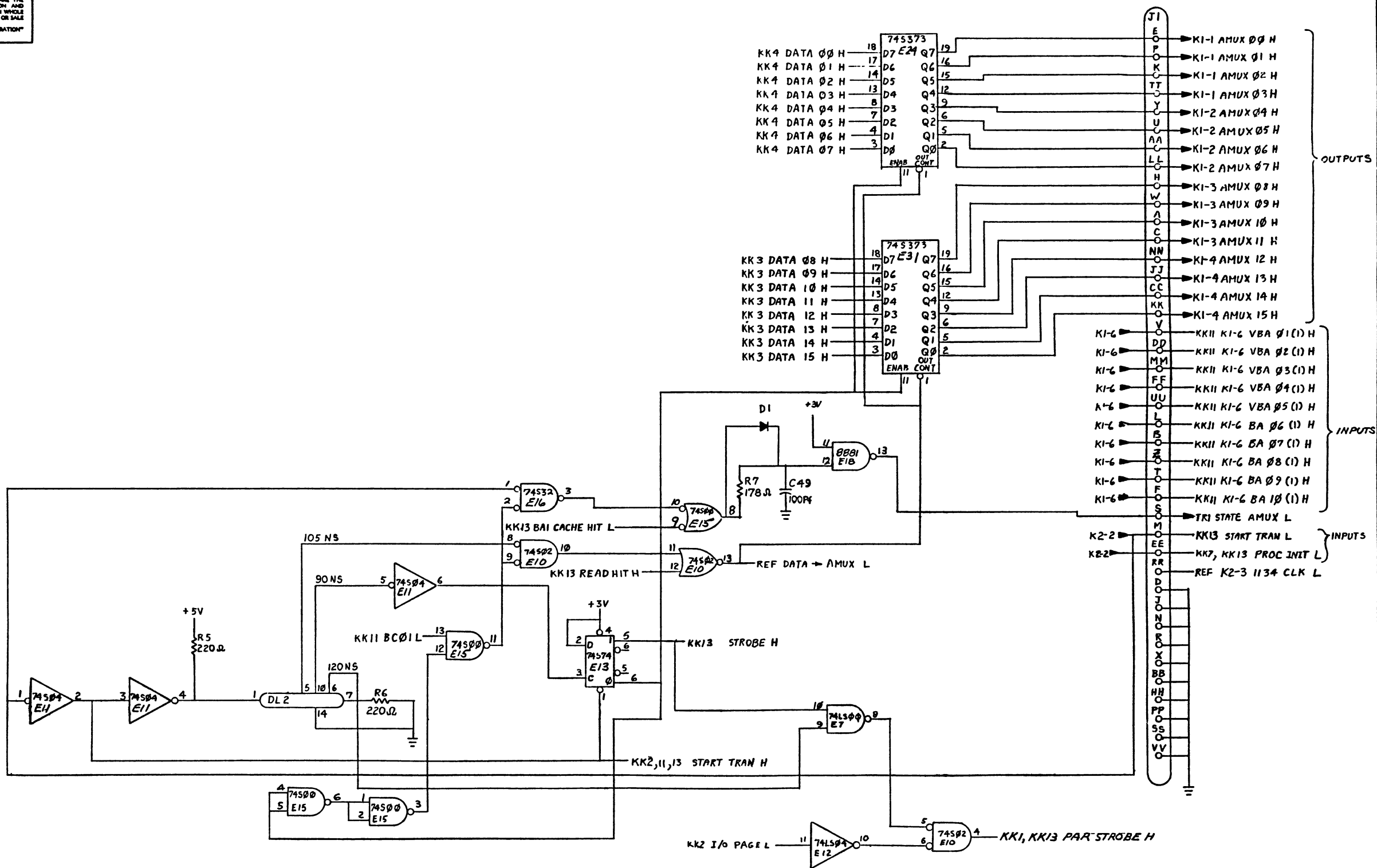








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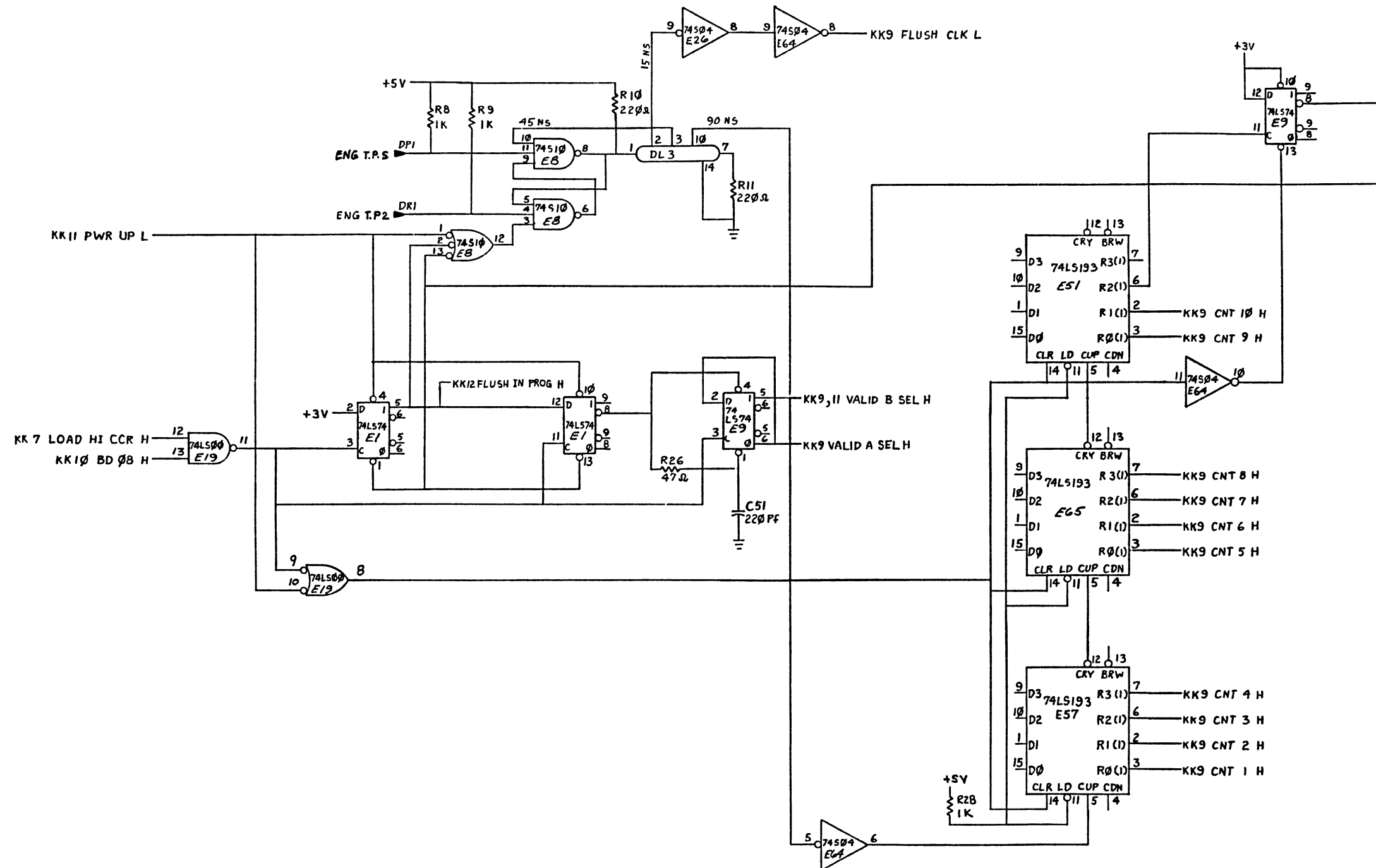
REVISIONS		
CHK	CHANGE NO.	REV

(AMUX BUFFERS, START TRAN LOGIC)

TITLE		SIZE CODE	NUMBER	REV.
KK 11A CACHE (KK-6)		D CS	MSP68-0-1	0
SCALE	SHEET	DIST.		
1/1	6 OF 13			

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1-0-89Z8W|D|C|S|2|



REVISIONS		
CHK	CHANGE NO	REV.

(FLUSH COUNTER)

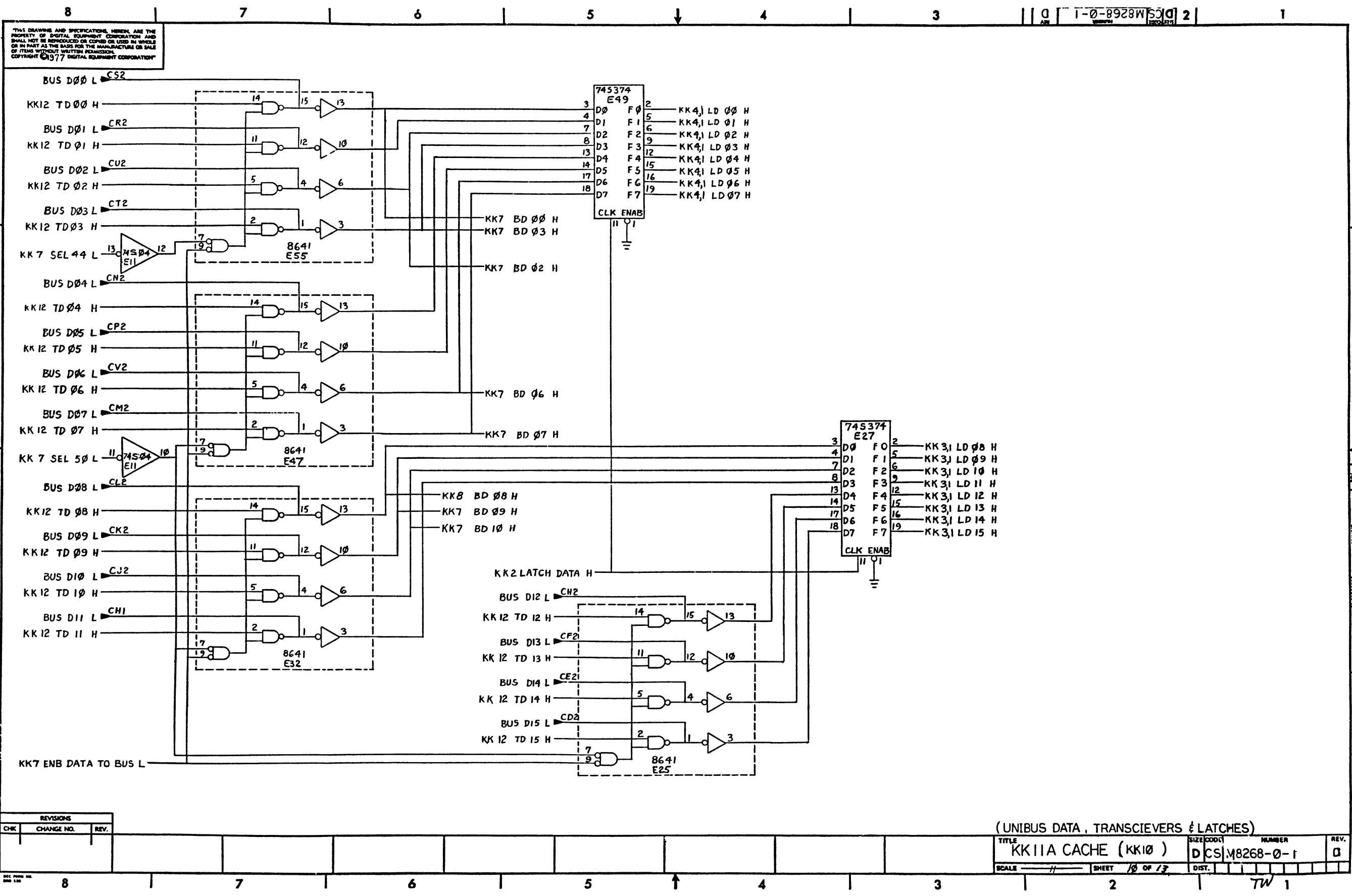
TITLE	KKII A CACHE (KK8)
-------	--------------------

SIZE	CODE	NUMBER
D	CS	M8268-0-1

REV.
4

SCALE 1/4" = 1'-0" SHEET 1 OF 1

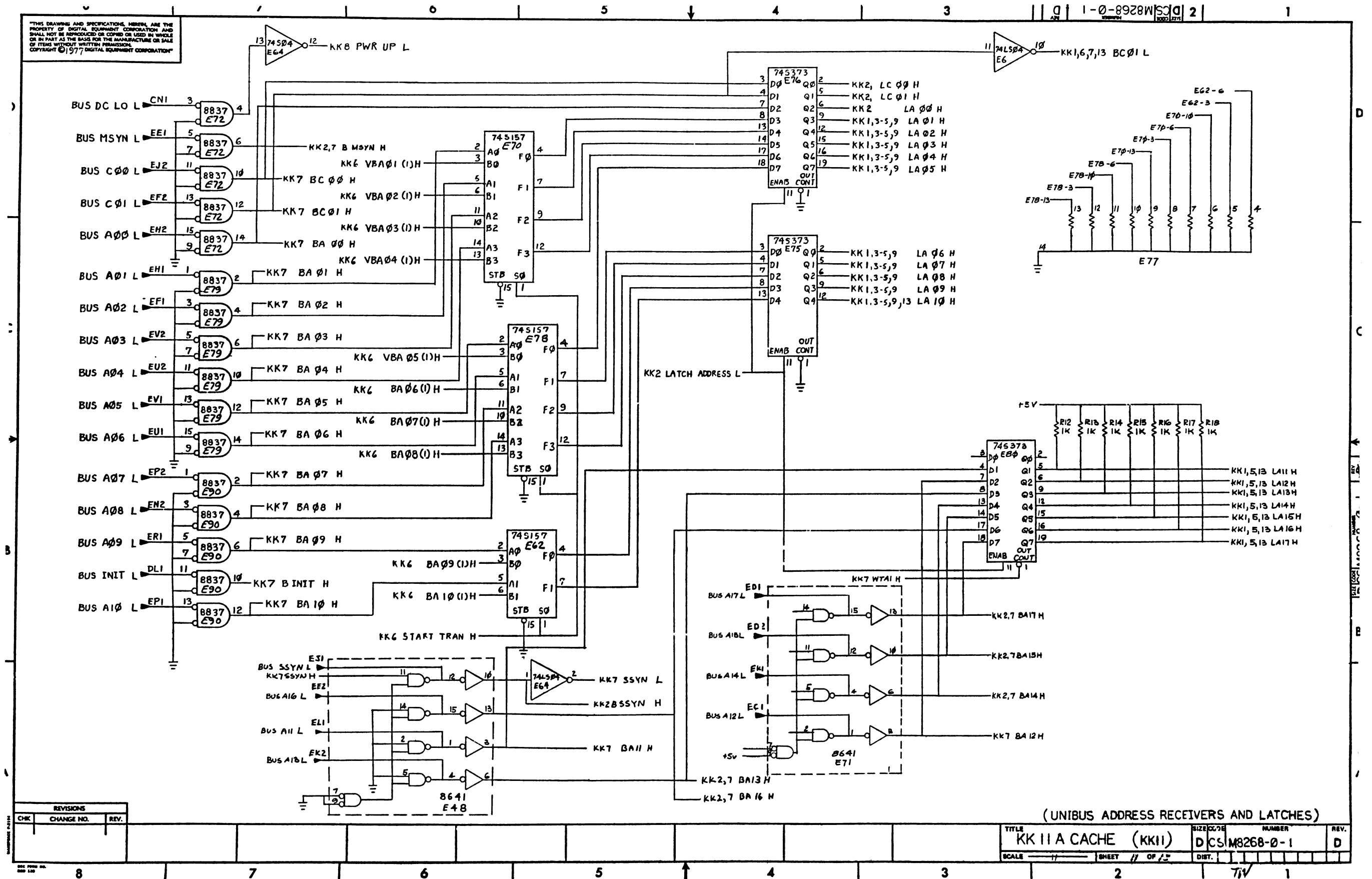
[illegible]



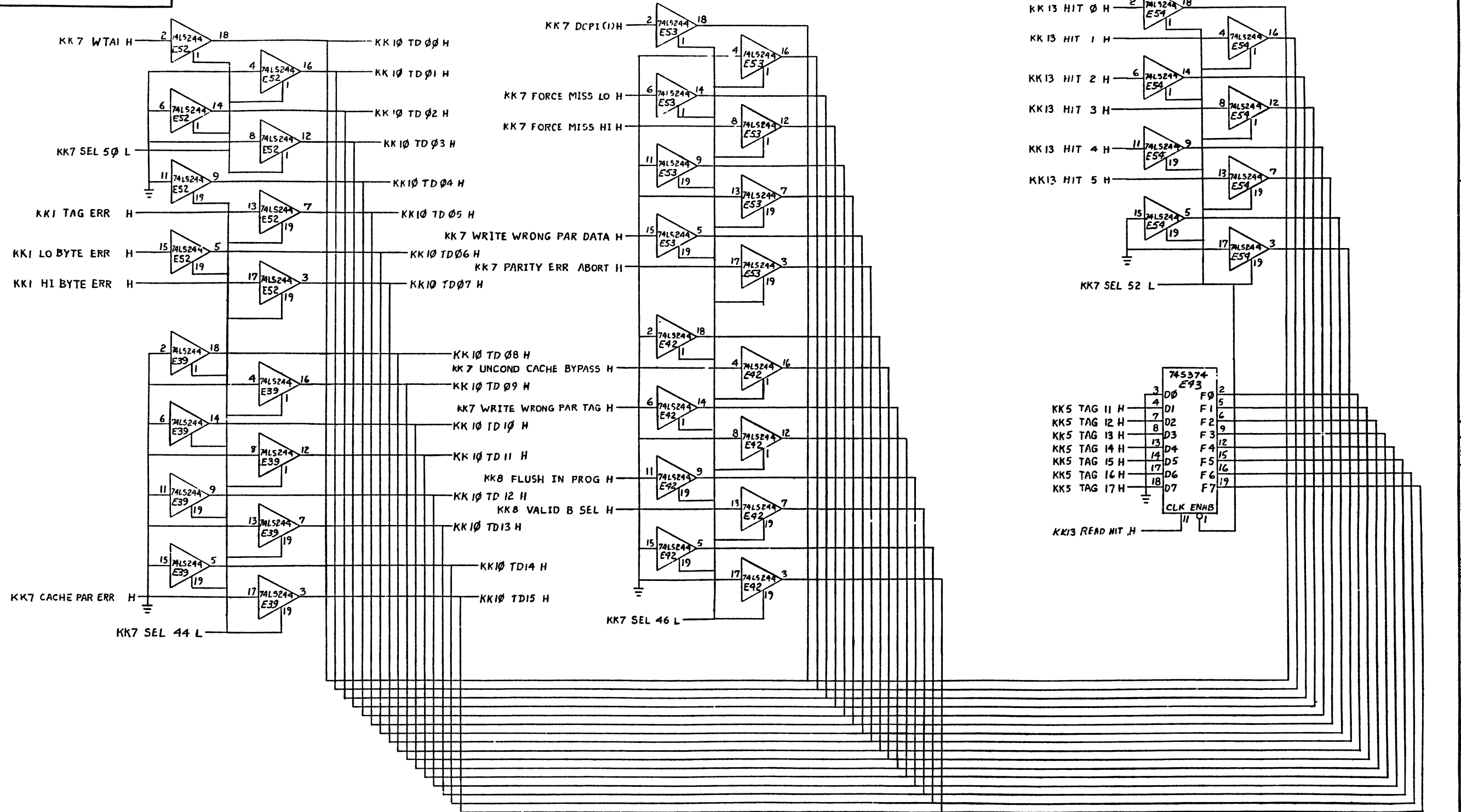
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REVISIONS		
CHK	CHANGE NO.	REV.

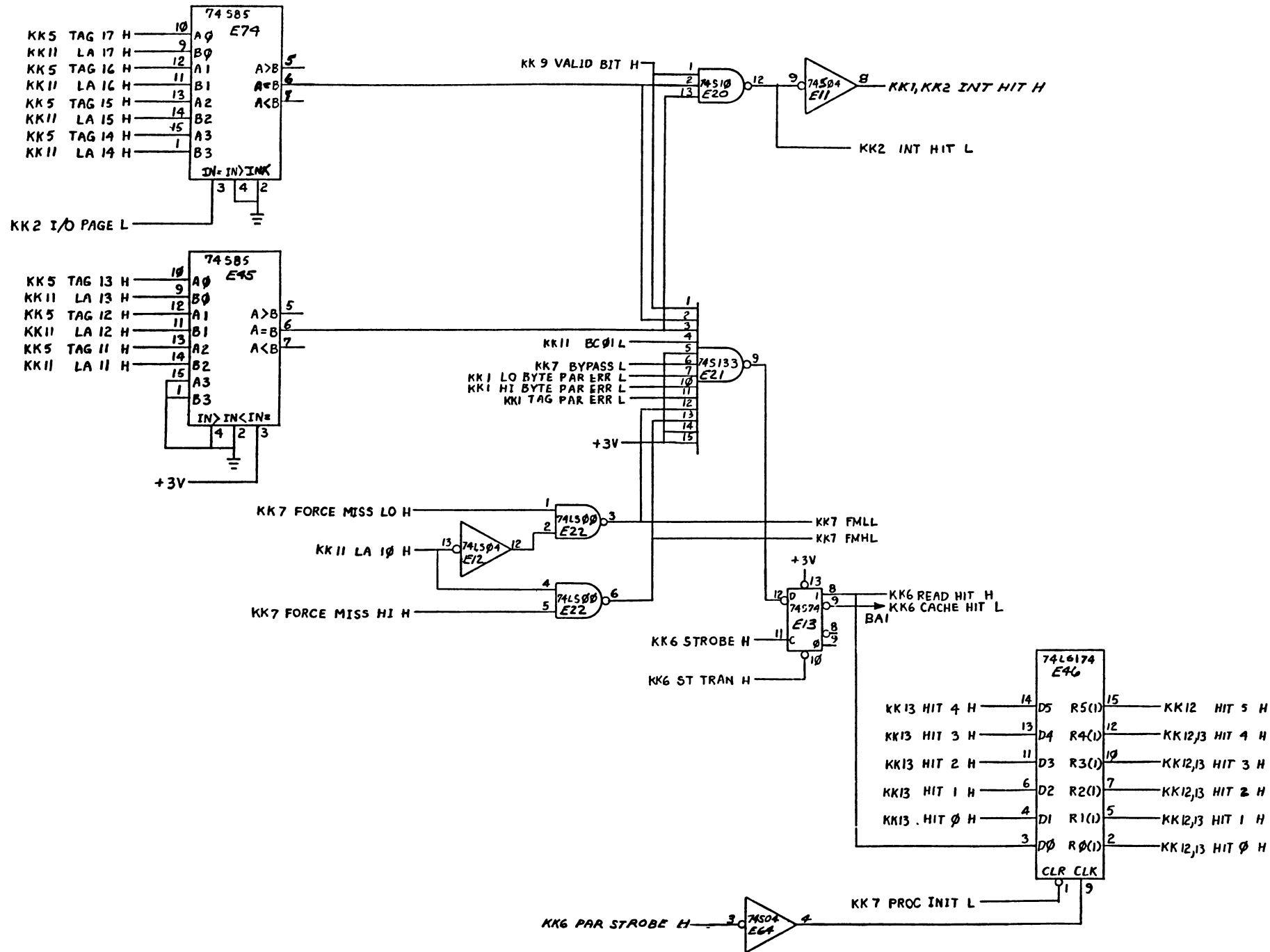
(UNIBUS DATA, TRANSCIEVERS & LATCHES)			
TITLE KK11A CACHE (KK10)		SIZE (CODE) DCS M8268-0-1	NUMBER 0
SCALE 11	SHEET 10 OF 13	DIST.	REV. 0



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REVISIONS		
CHK	CHANGE NO.	REV.

(HIT LOGIC & SPARE GATES)

TITLE	SIZE/DATE	NUMBER	REV.
KK11 A CACHE (KK13)	D CS	M3268-0-1	0
SCALE	11	SHEET 13 OF 13	DIST.

TW/ 1

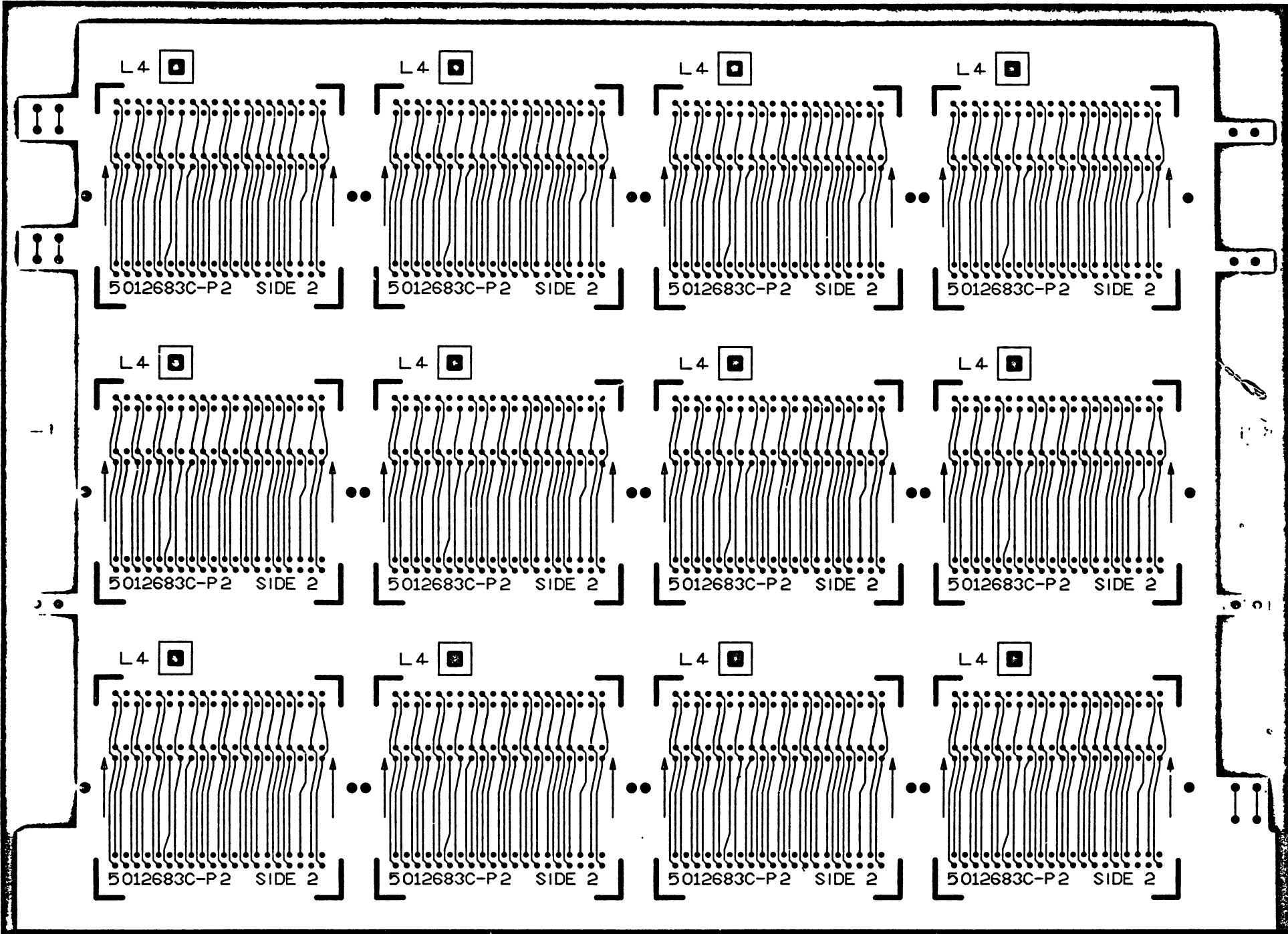
REVISIONS		
CHK	CHANGE NO	REV

TITLE	
TRICONN BOARD	
SCALE 2-1	SHEET

SIZE	CODE	NUMBER
D	UAH	8822-0-0

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1978

PC 834AJ



REVISIONS		
CHK	CHANGE NO	REV

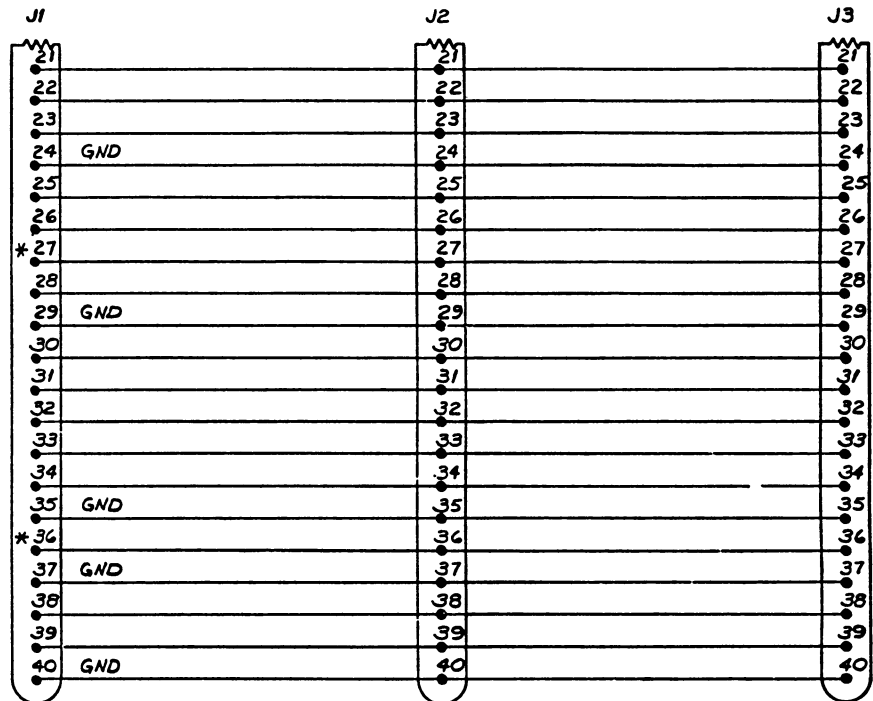
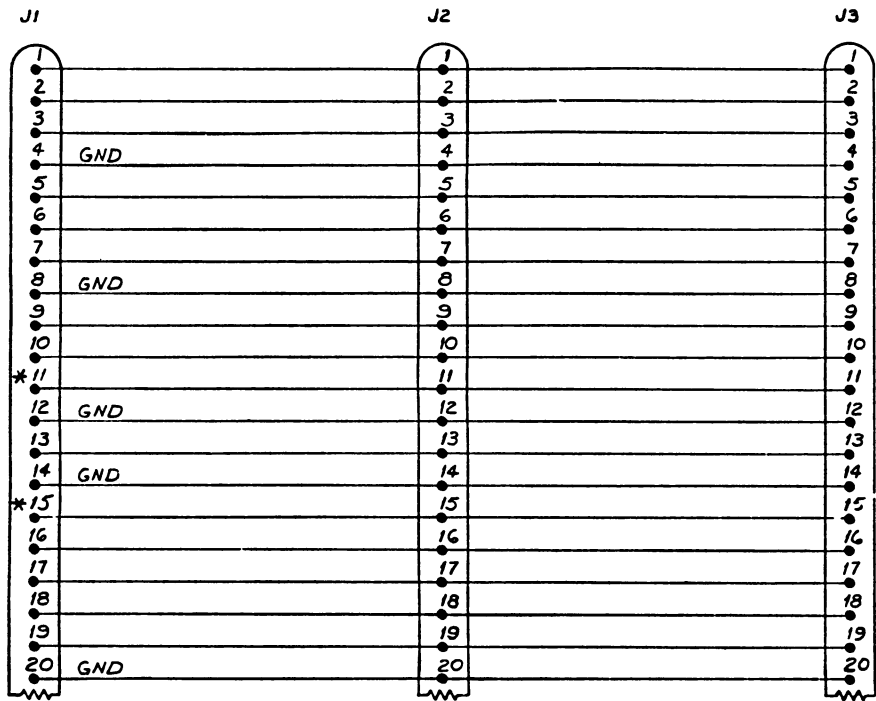
TITLE		SIZE	LOOSE	NUMBER		REV
TRICONN BOARD		D	UA	H8822-0-0		B
SCALE 2 -		SHEET 3 OF 3		TW		

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-MD-5012683-0-0	5012683-00	TRICONN DD	1	
2	2		1213508-01	CONN .100 44POS STRAIGHT	3	J1,J2,J3
3	3		1213508-03	CONN KEYING PLUG	3	

REVISION HISTORY			BASIC PART NO: H8822		DRN: DENNIS SIREEN		DATE: 27-DEC-77		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: FRED GERRY		DATE: 27-DEC-77		TITLE PARTS LIST	
---	INITIAL	A	SECTION.VARIATION INDEX		---		---		---	
---	00001	B	[A] 00		---		---		TRICONN BOARD	
			[B]		DES.ENG: JOE MERCURI		DATE: 24-FEB-78			
			[C]		---		---			
			[D]		---		---			
			[E]		---		---		DOCUMENT NUMBER	
			[F]		RESP.ENG.: JOE MERCURI		DATE: 24-FEB-78		SIZE!CODE! NUMBER	
			[H]		---		---		REV	
			[J]		---		---			
			[K]		MFG.ENG.: BOB KING		DATE: 24-FEB-78		K PL H8822-0-JBP	
			[L]		---		---		B	
			[M]		ASSEMBLY NUMBER:		---		FILE NAME:	
			[N]		D-UA-H8822-0-0		---		H8822.PLS	
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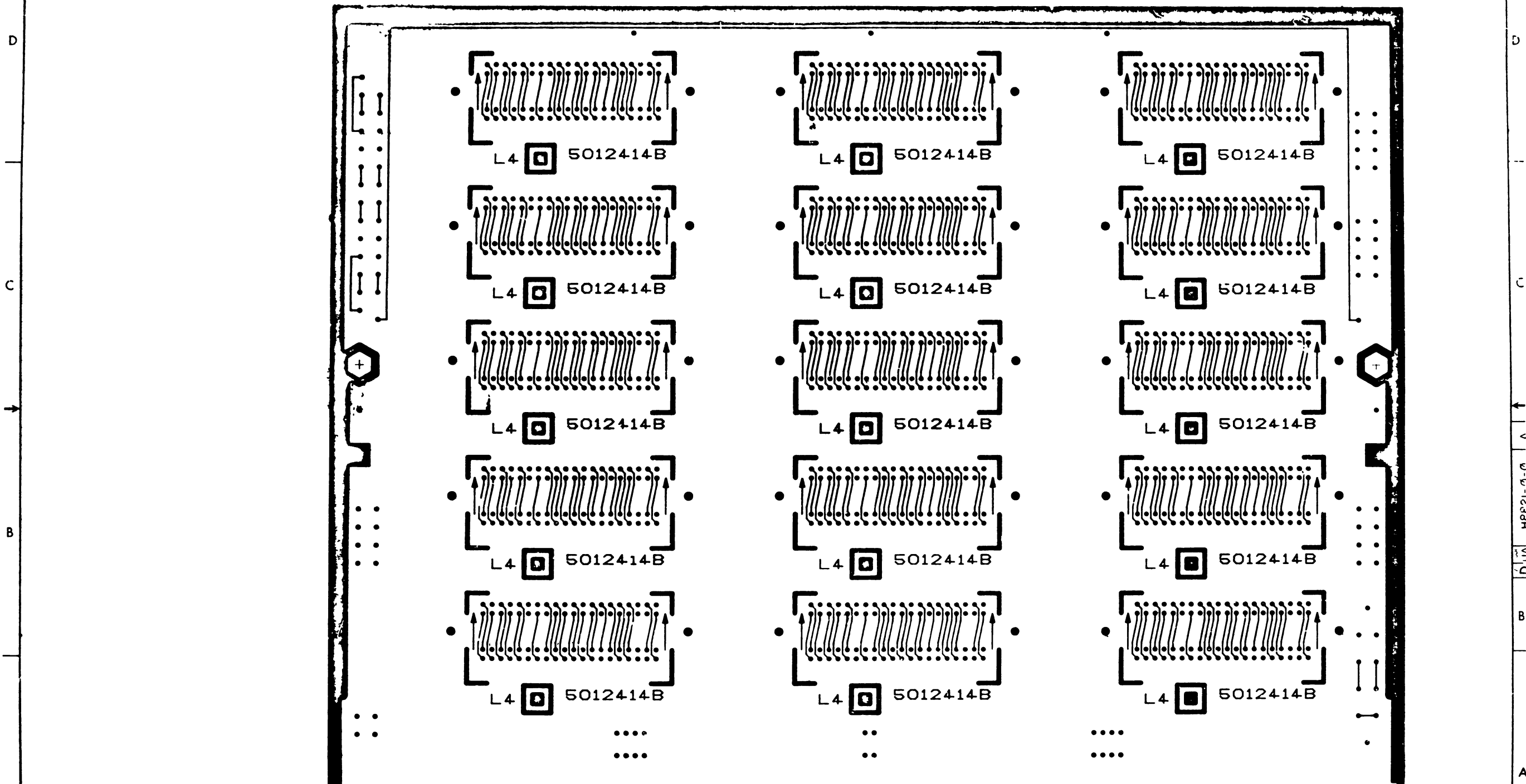


NOTES:
1. * DESIGNATES CONDUCTORS LOCATED ON LAYER 2.

REVISIONS	
CHK	CHANGE NO.
5412684	TW001
1	8-21-78
2	8-21-78
3	8-21-78
4	8-21-78
5	8-21-78
6	8-21-78
7	8-21-78
8	8-21-78
9	8-21-78
10	8-21-78
11	8-21-78
12	8-21-78
13	8-21-78
14	8-21-78
15	8-21-78
16	8-21-78
17	8-21-78
18	8-21-78
19	8-21-78
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33	8-21-78
34	8-21-78
35	8-21-78
36	8-21-78
37	8-21-78
38	8-21-78
39	8-21-78
40	8-21-78

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.		
DIMENSIONAL TOLERANCE		PARTS LIST					
DIMENSIONS ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED		DATE 2/3/76	DATE 4/28/77	digital			
MILLIMETERS		INCHES	ANGLES	TITLE			
XXX ±0.10	JXX ±0.008	20° 30'	DATE 1/24/78	TRICONN BOARD			
XX ±0.05	JX ±0.02		DATE 6/14/78	NUMBER			
X ±0.25	X ±0.1		DATE 1-24-78	REV.			
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		NEXT HIGHER ASSY.				
MATERIAL	FINISH		SCALE				
SHEET 1 OF 1		DIST		REV. B			

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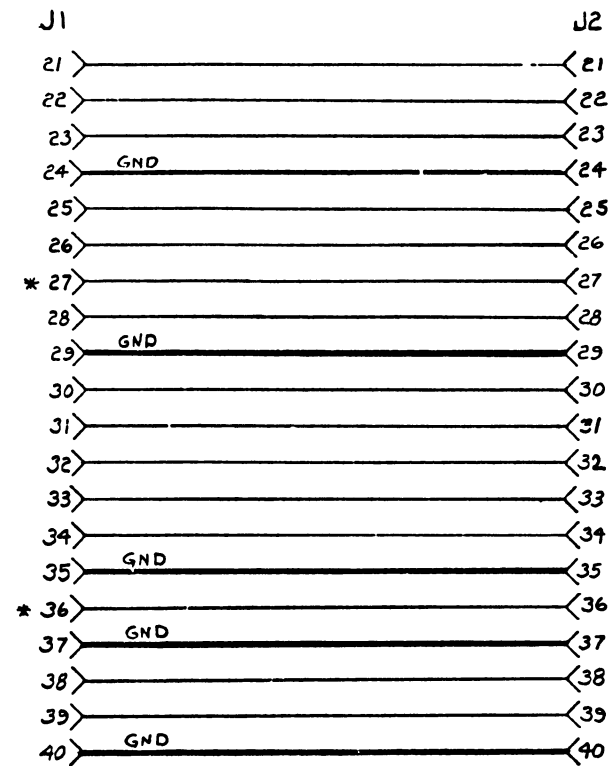
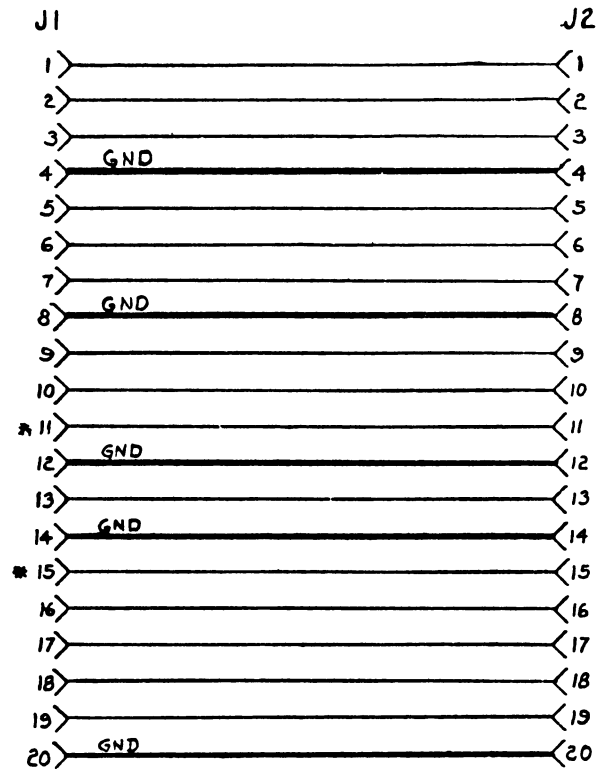
REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV
40 PIN INTERCONNECT BOARD		D UA	H8821-0-0	A
SCALE	2/1	SHEET	3 OF 3	DIST

[illegible]

4 3 2 1

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NOTES:

- * DESIGNATES CONDUCTORS TO BE LOCATED ON LAYER 2
- GND WILL BE ON LAYER 3 & REMAINING ETCH ON LAYER 4
- LAYER 1 (SIDE 1) WILL BE FREE OF ALL CIRCUITRY

REVISIONS	REV.
CHANGE NO.	
CHK	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN. F. MULLIGAN	DATE 8/3/76	digital EQUIPMENT CORPORATION MAYNARD MASS 01901	
TOLERANCES	CHK'D. L. Sudman	DATE 8/4/76		
DECIMALS	ENG. R. Barry	DATE 8 DEC 76		
ANGLES	PROJ. ENG. R. Barry	DATE 8 DEC 76		
.xxx = .005 .xx = .02 .x = .1	PROD. / A. Barry	DATE 6 DEC 76		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V	NEXT HIGHER ASSY.		TITLE 40 PIN INTERCONNECT BOARD	
MATERIAL			SIZE CODE C CS	NUMBER H8821-Ø-1
FINISH	SCALE NA		REV. A	
SHEET 1 OF 1		DIST		

BLANK